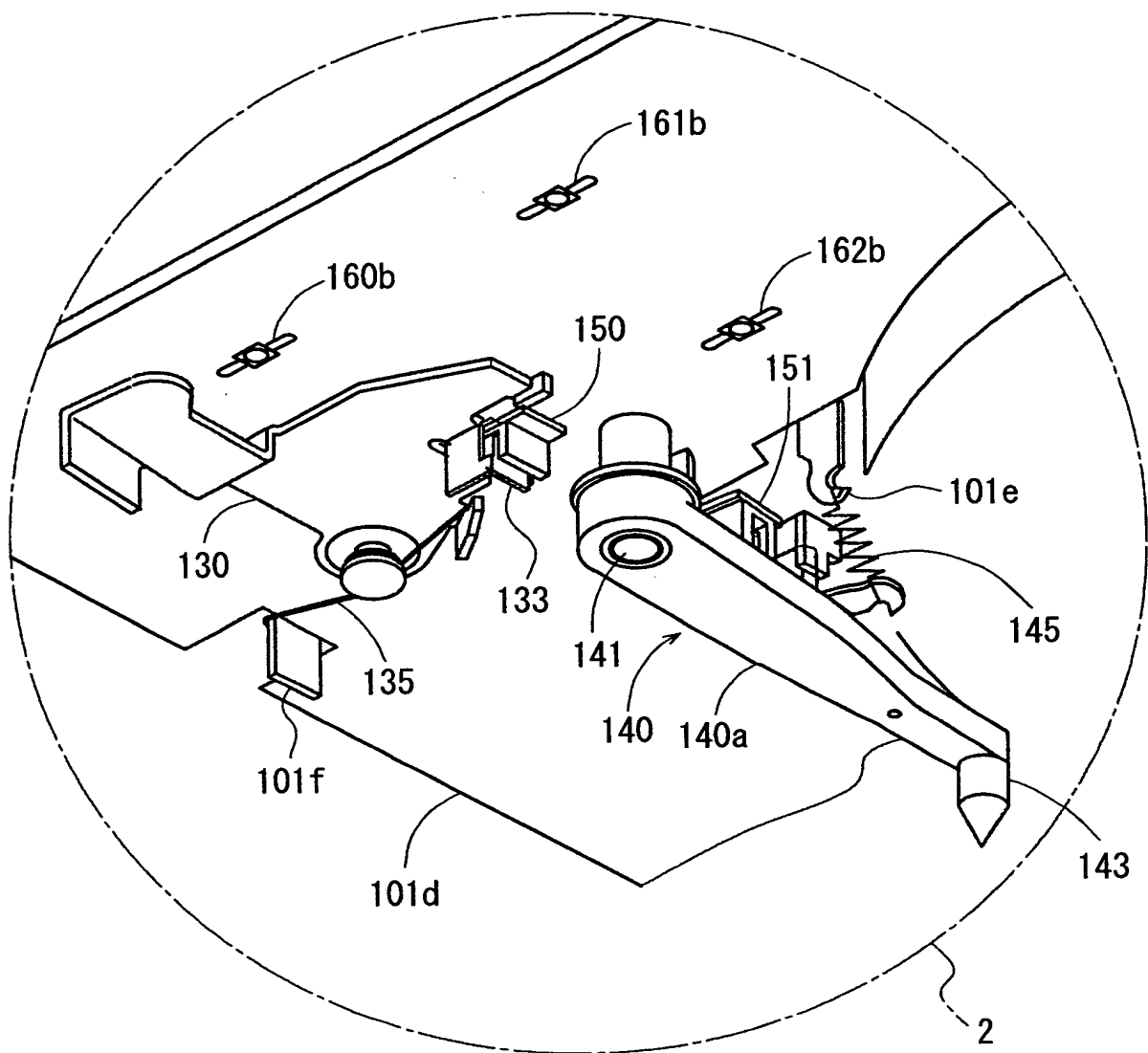


FIG. 1

FIG. 1 is a perspective view of a mechanical assembly 100. The assembly includes a main body 101 with a handle 101a, a base 101b, and a side panel 101c. A long, thin component 102 is mounted on the base 101b. This component 102 has a series of rollers or guides 120 and is connected to a larger component 140. Component 140 has a handle 143 and a tip 140a. A circular inset provides a magnified view of the tip area, showing a spring 151 and various contact points 160a, 160b, 161a, 161b, 162a, 162b. Other components labeled include 103, 106, 108, 110, and 111.

FIG. 1

FIG. 2



100

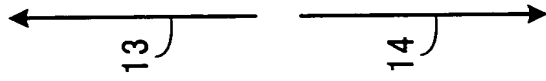


FIG. 4

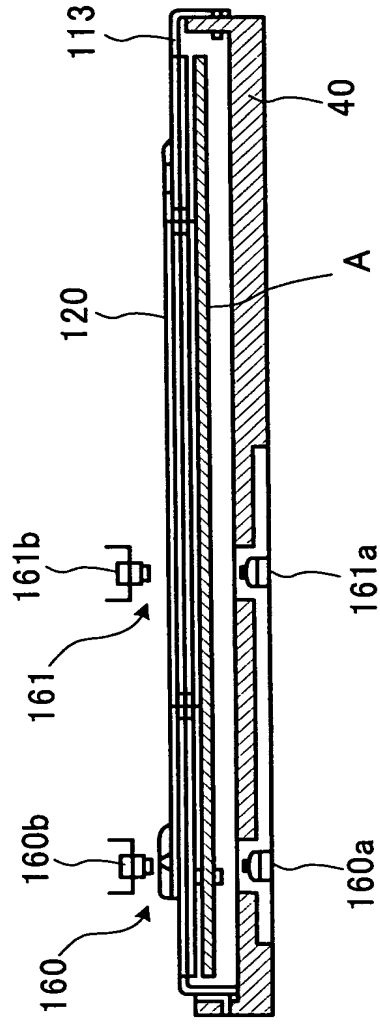


FIG. 5

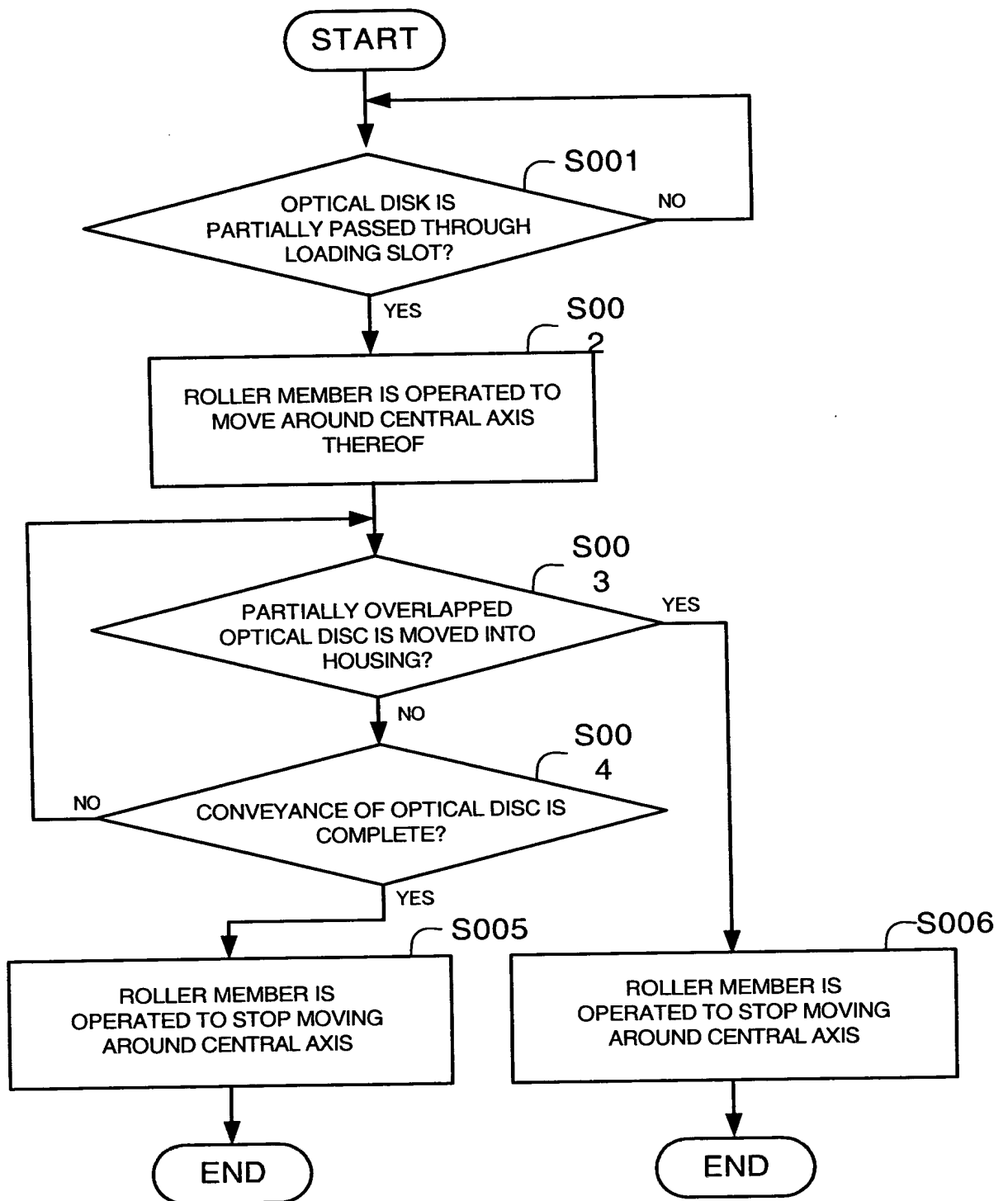


FIG. 6

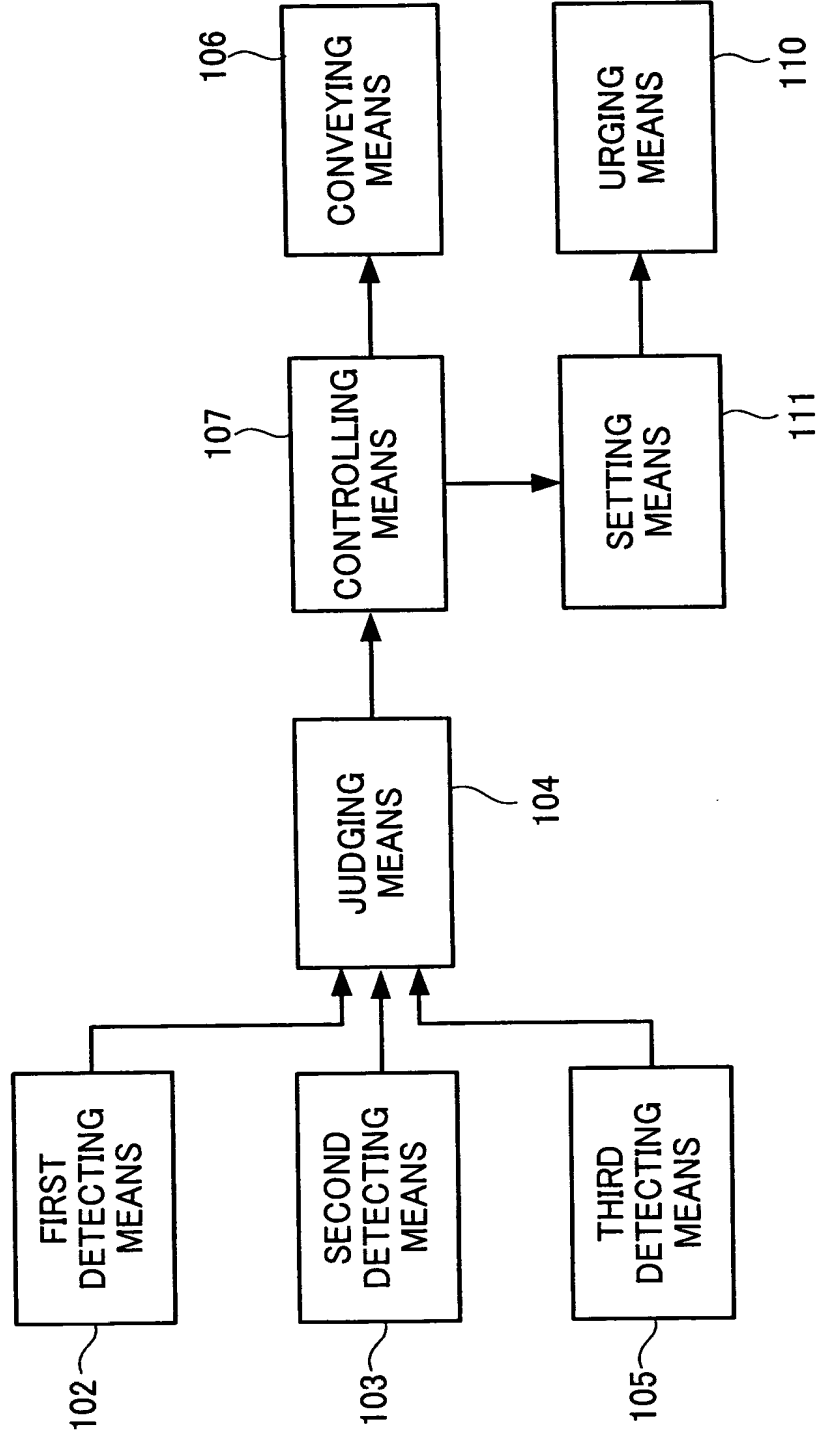


FIG. 8

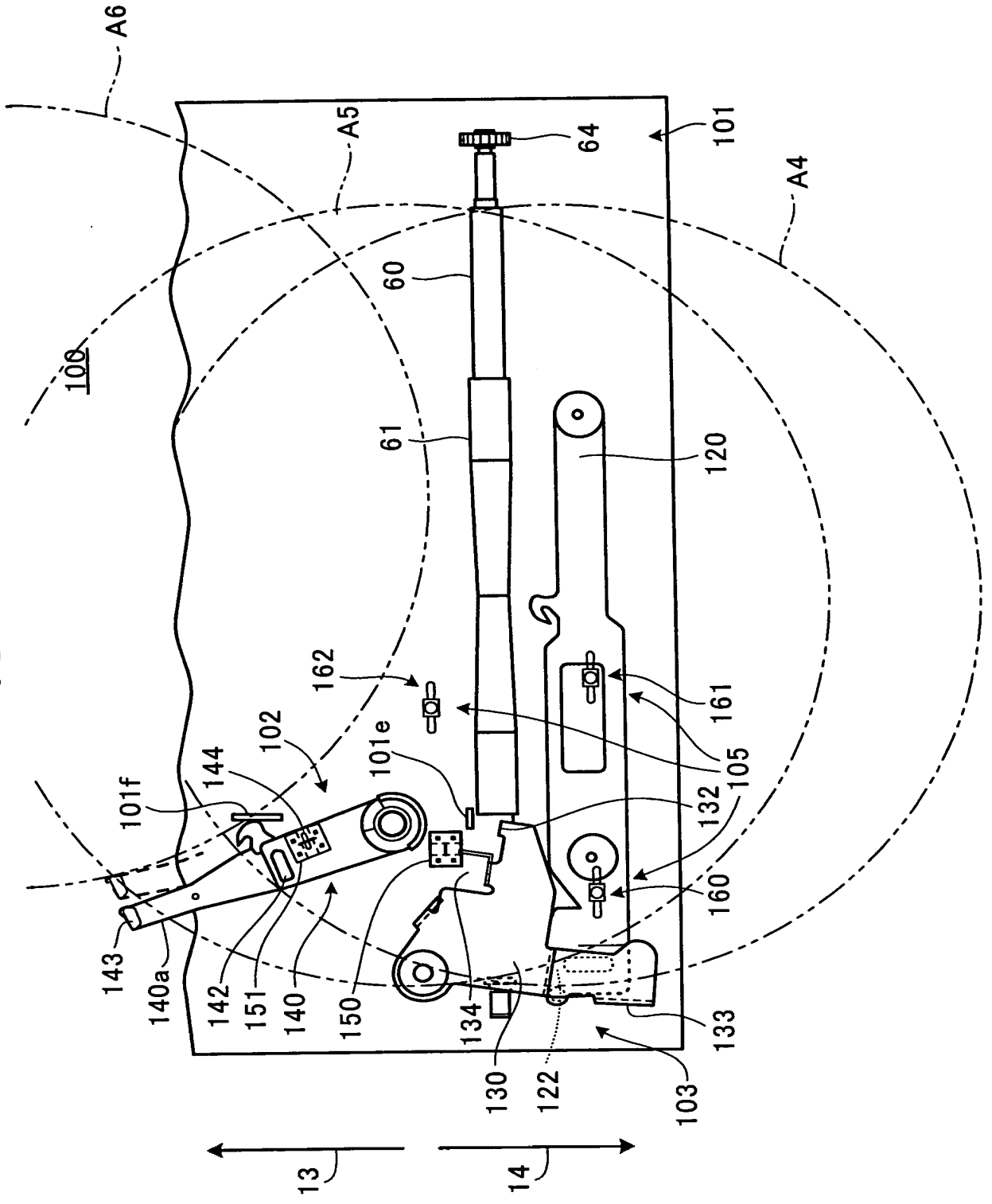
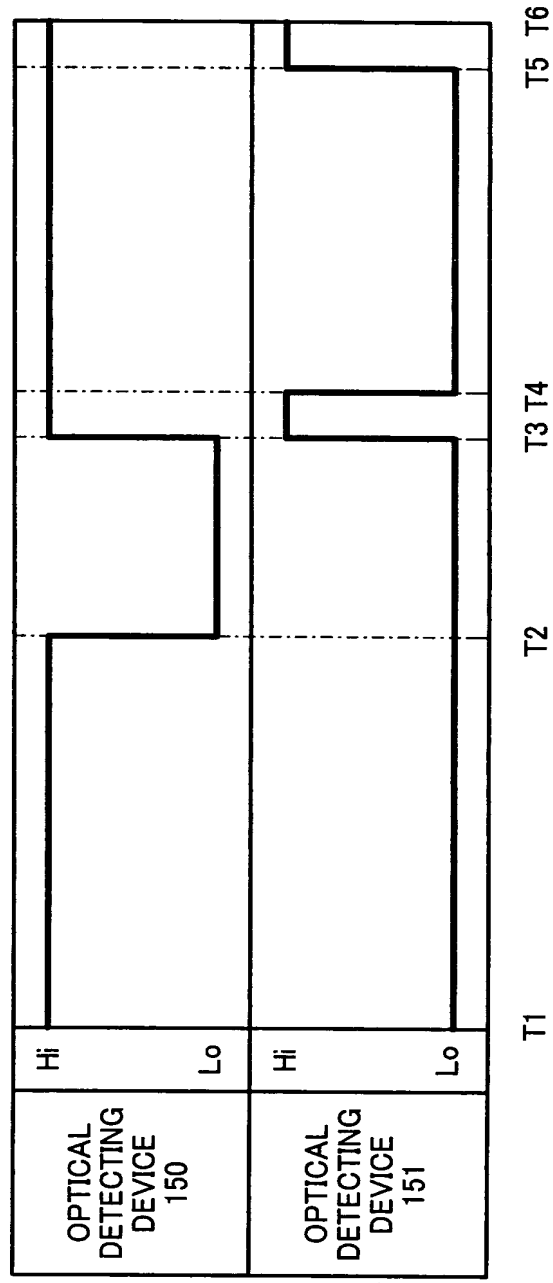


FIG. 9



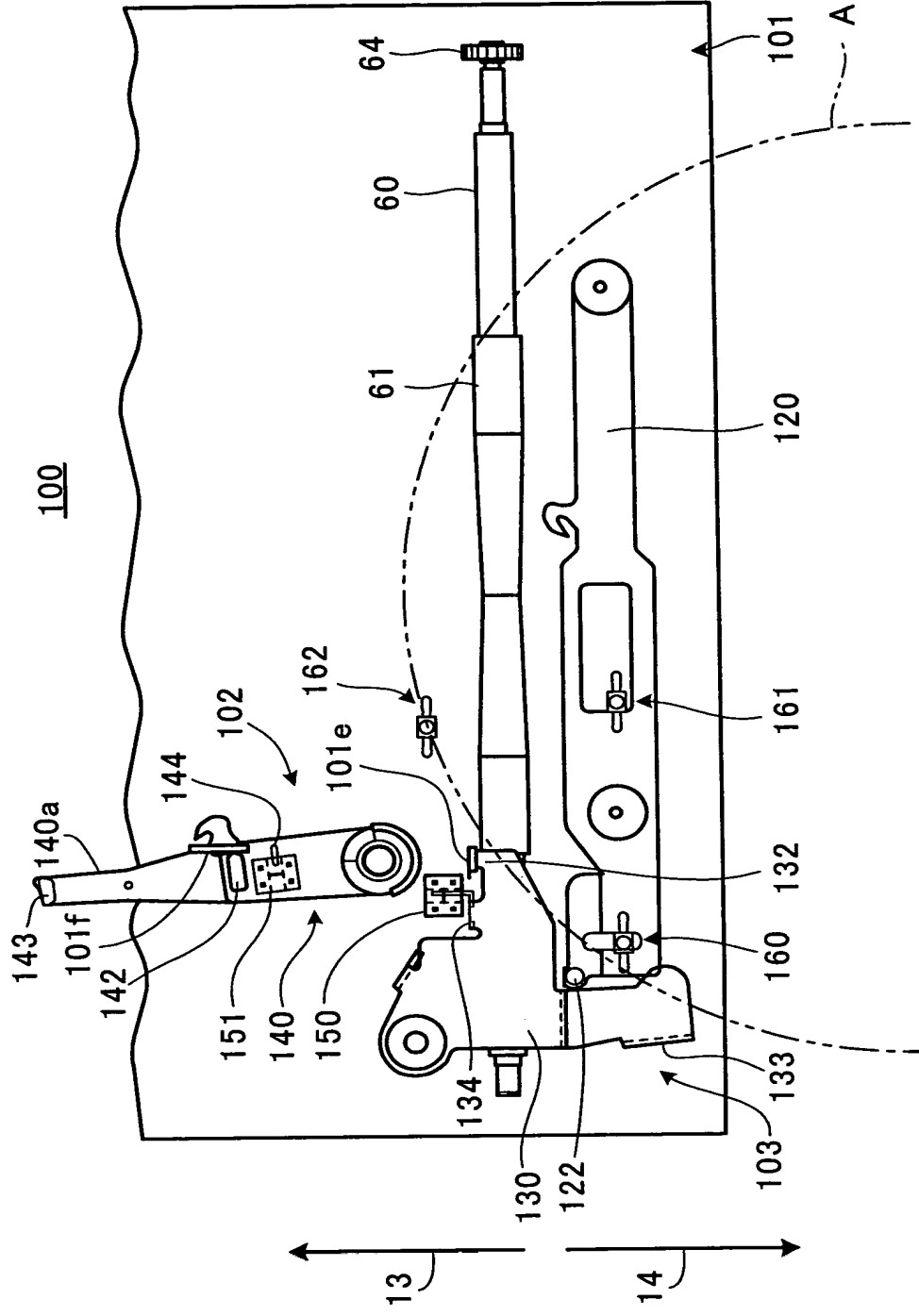


FIG. 11

100

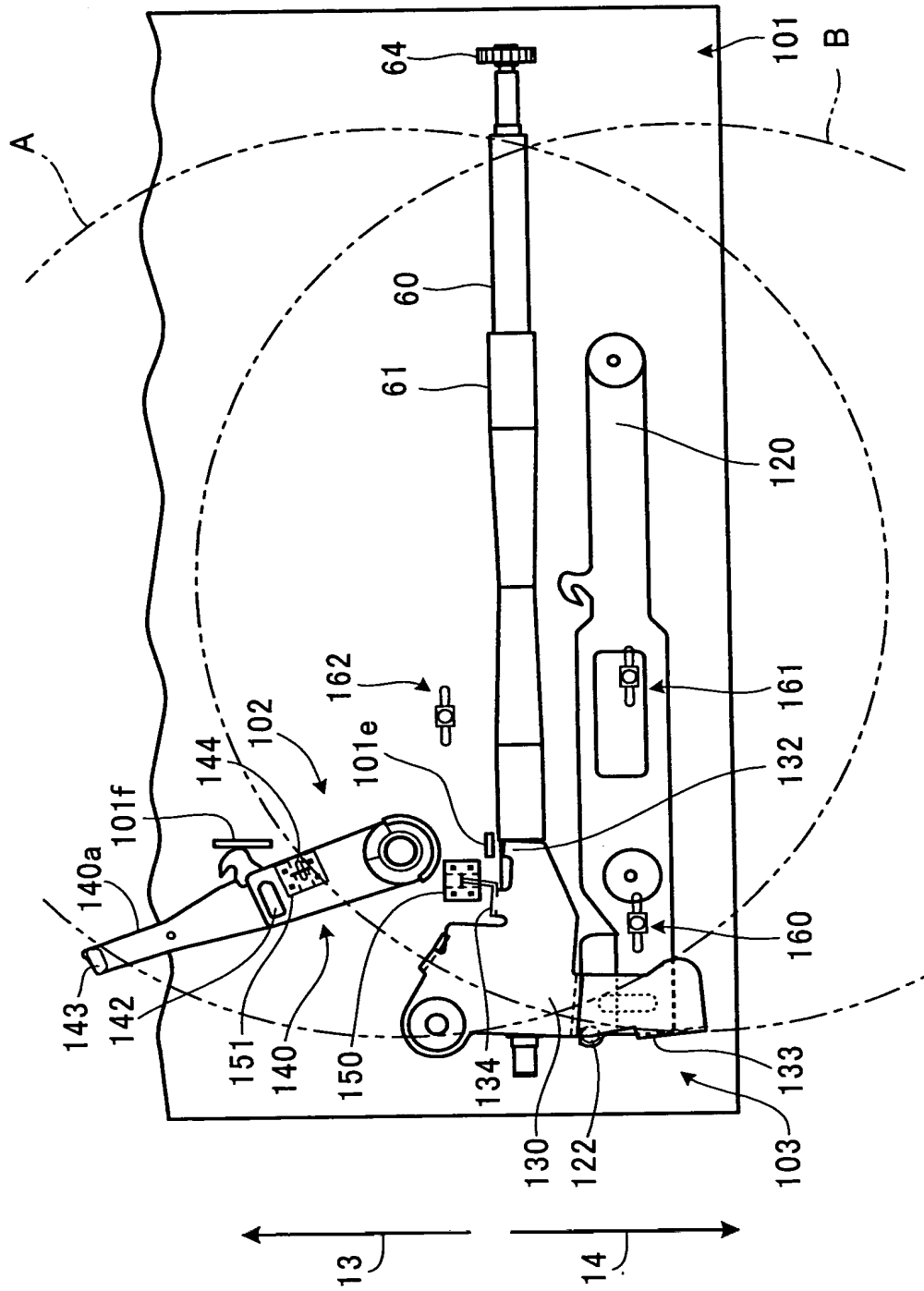


FIG. 12

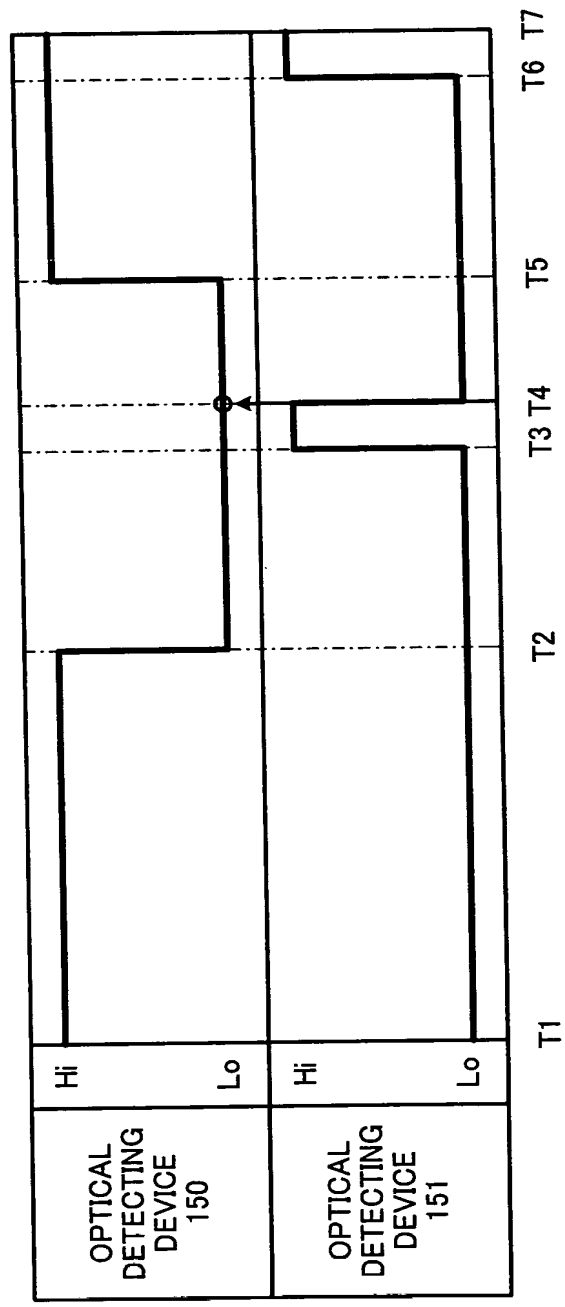


FIG. 13

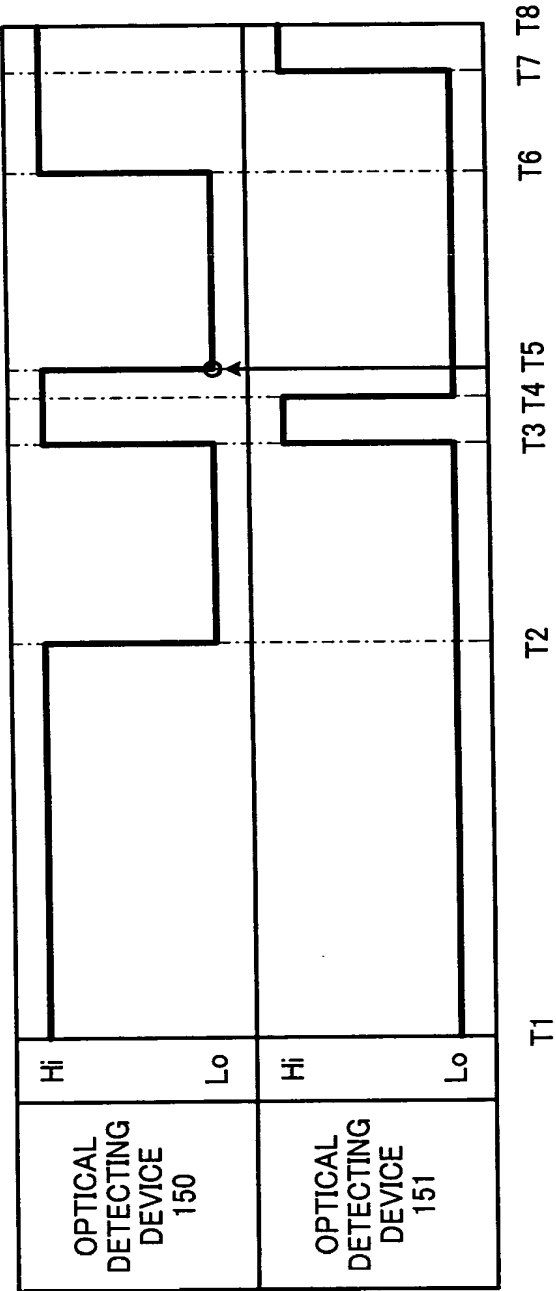


FIG. 15

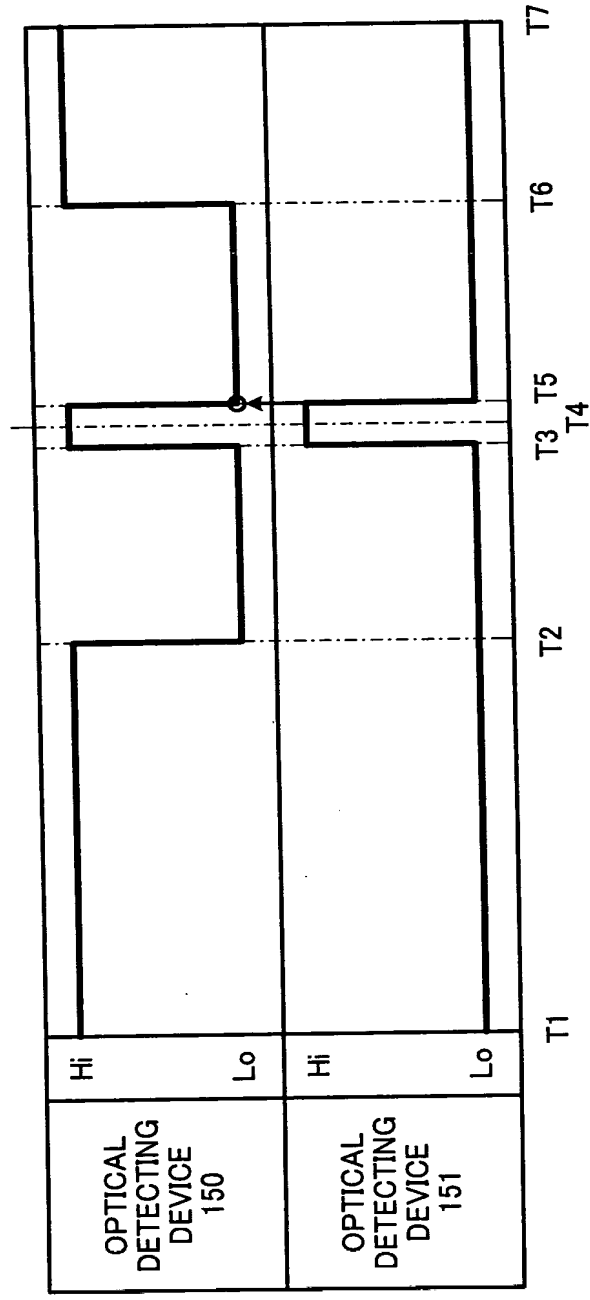


FIG. 16

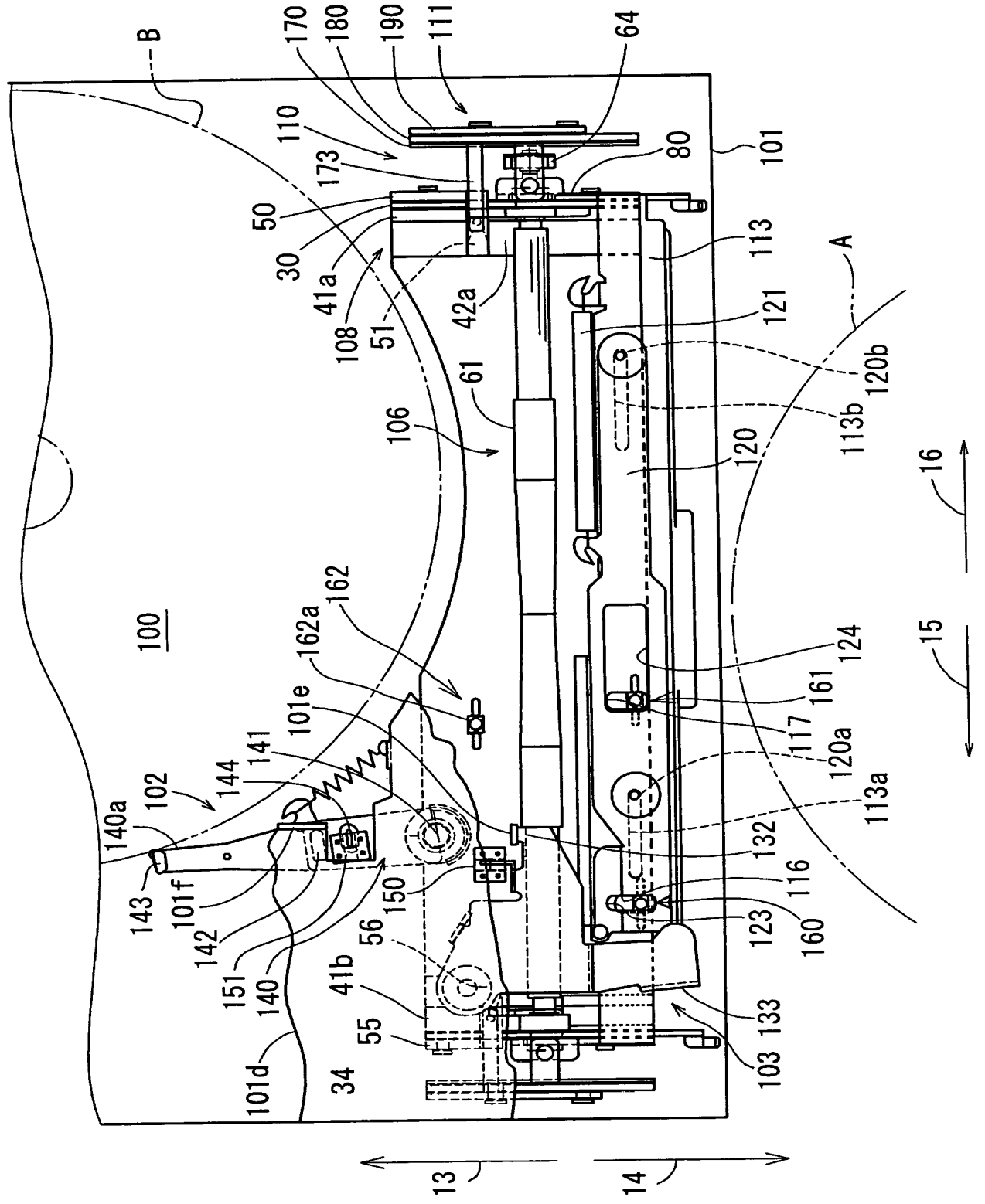


FIG. 17

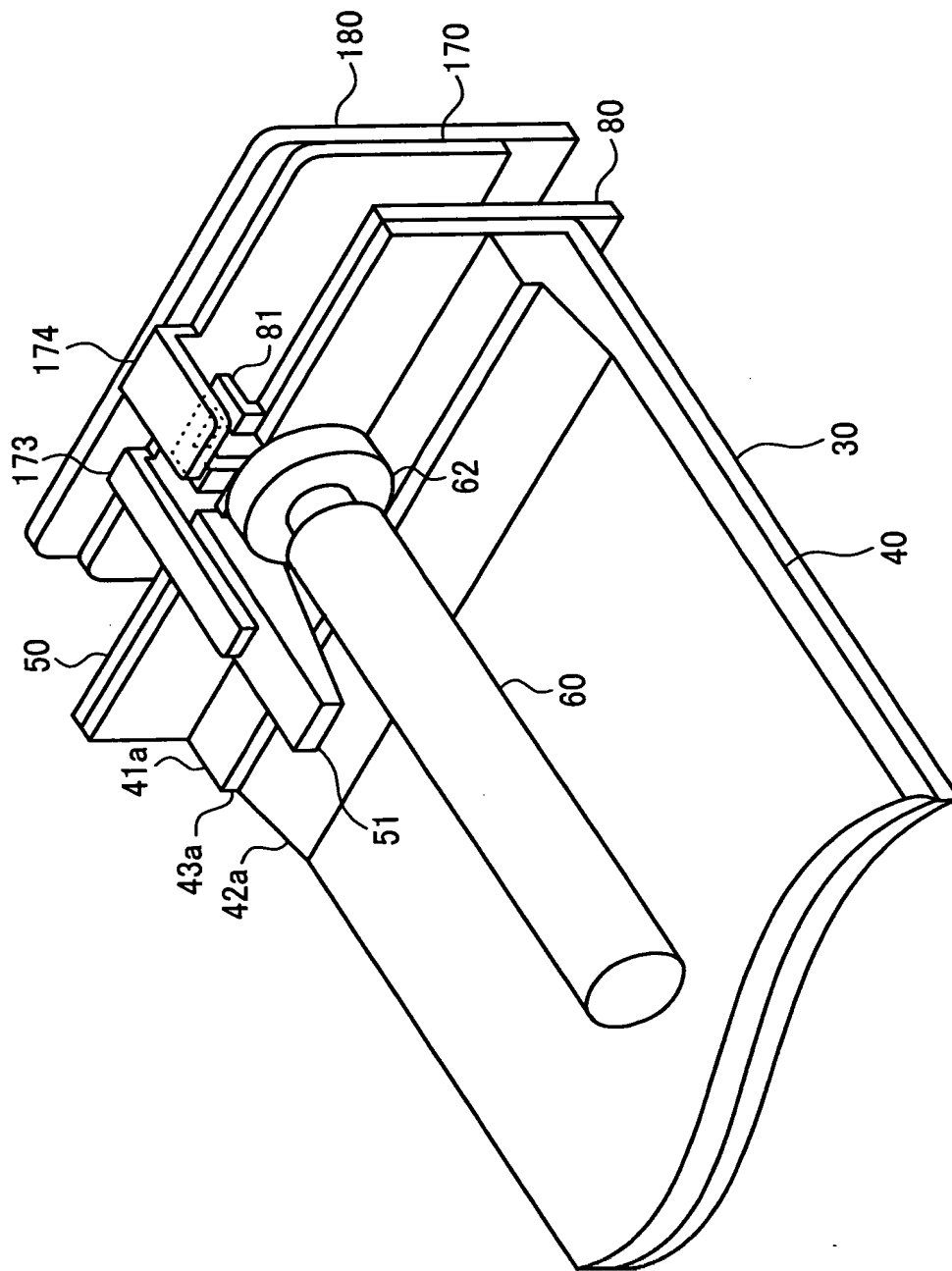


FIG. 18

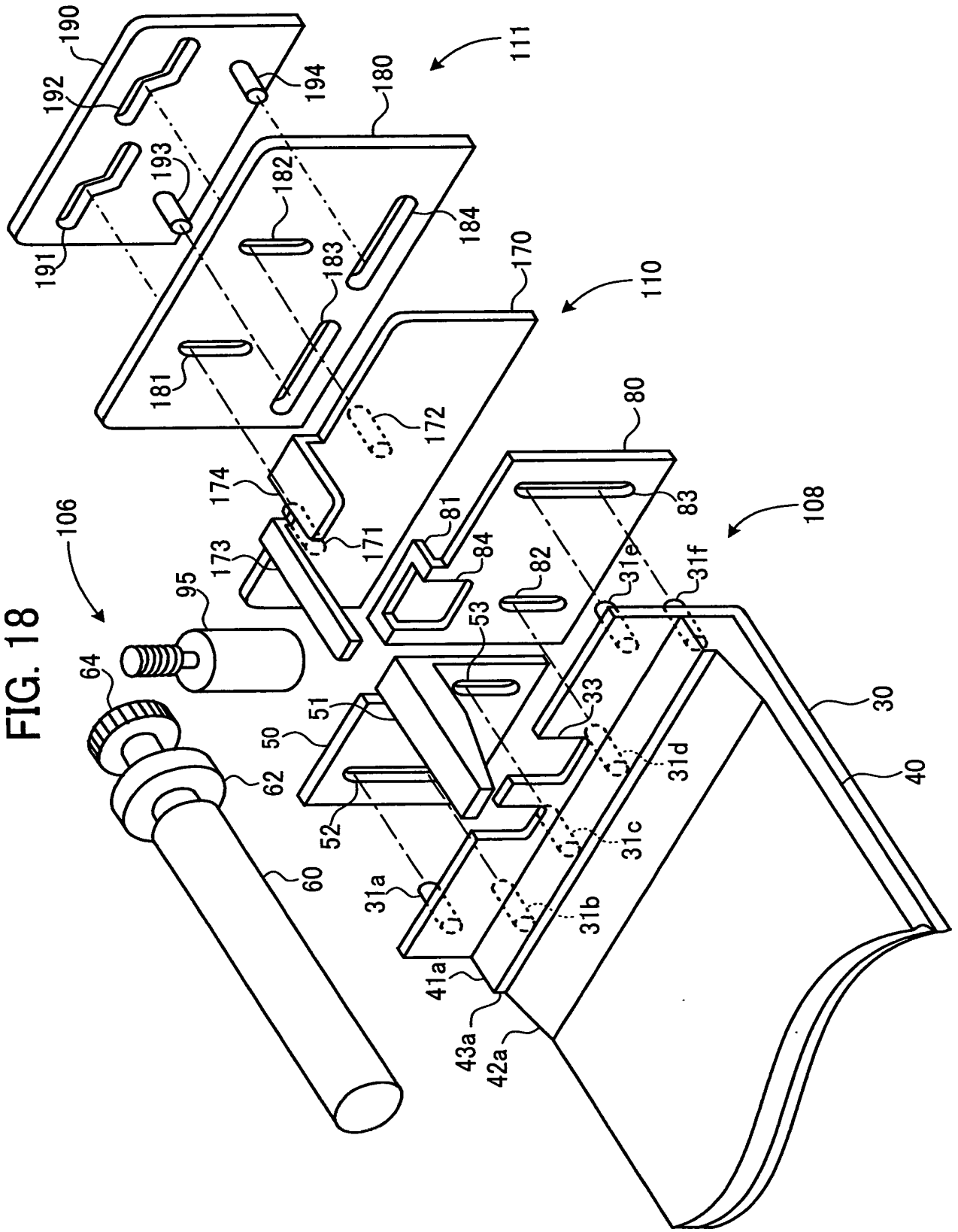
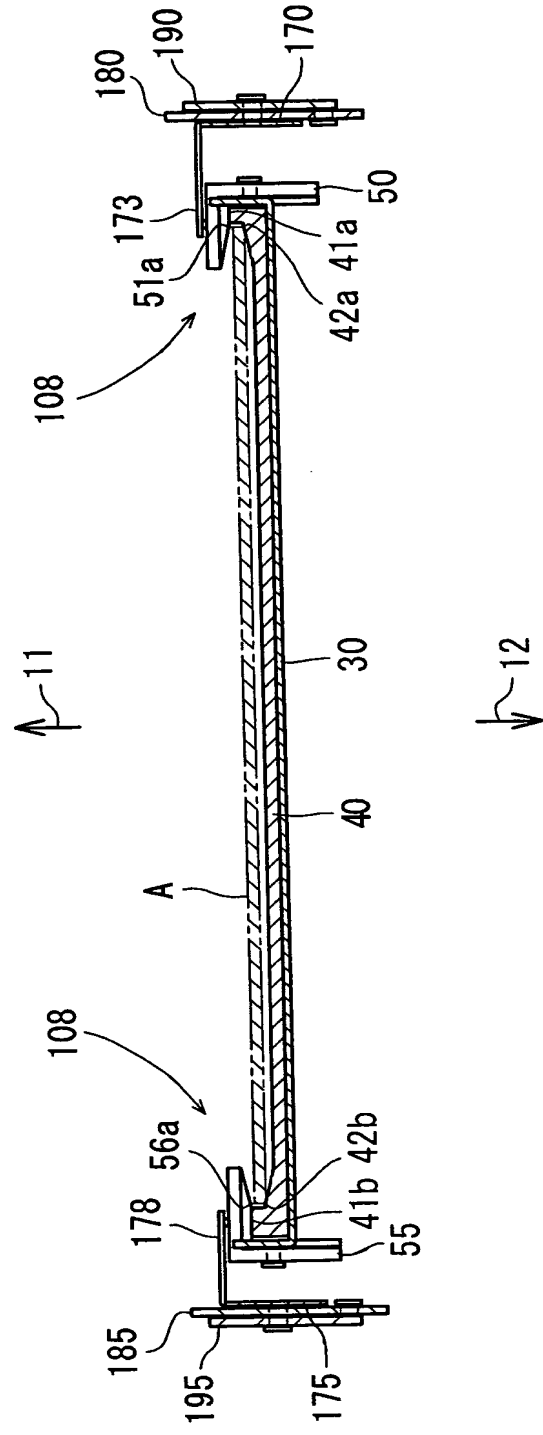


FIG. 19



(g)

FIG. 21

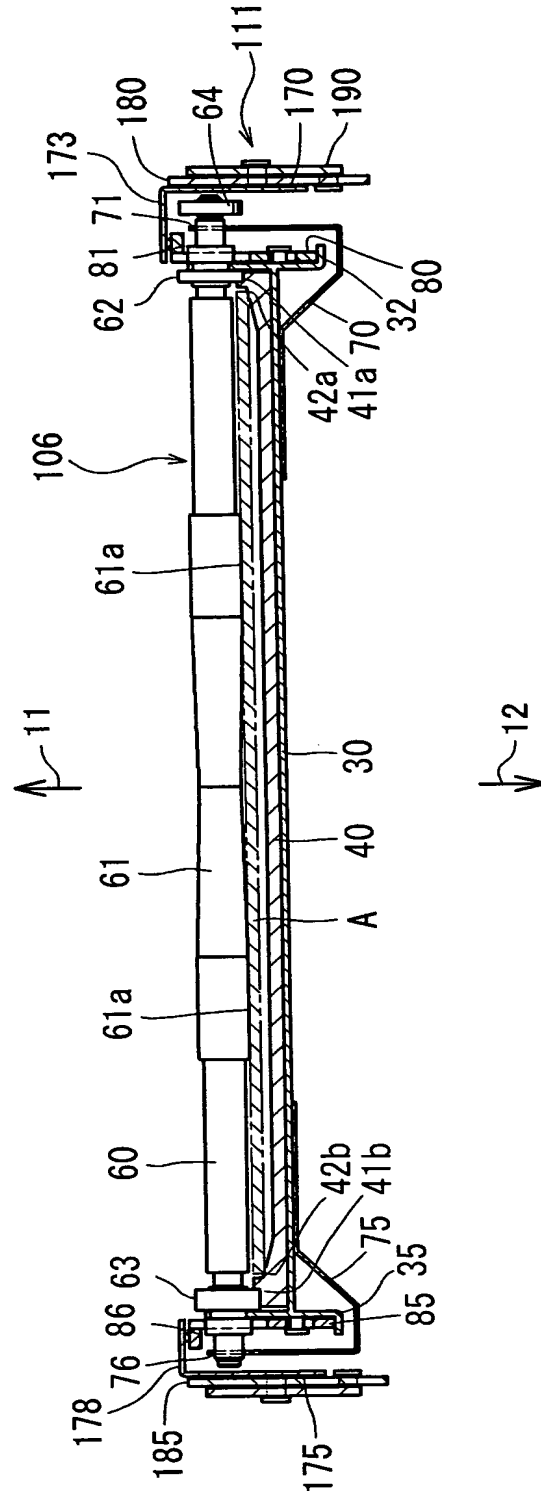
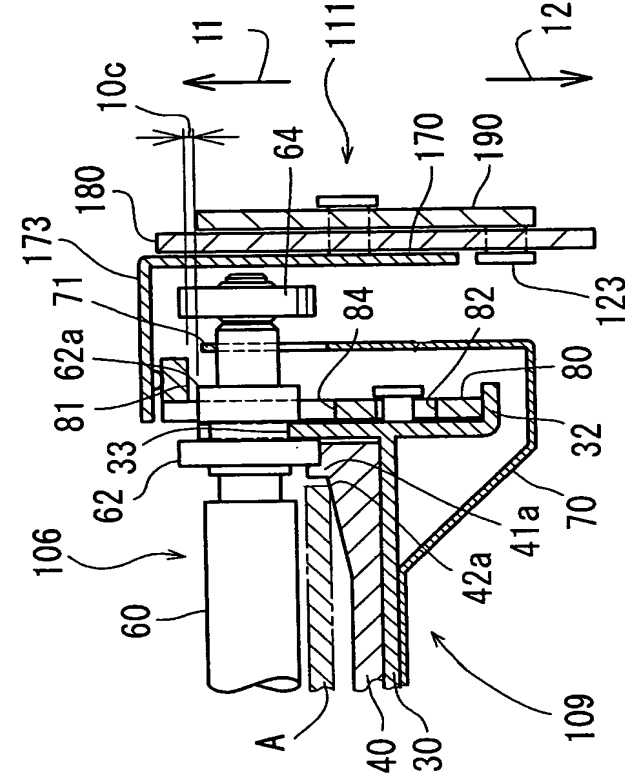
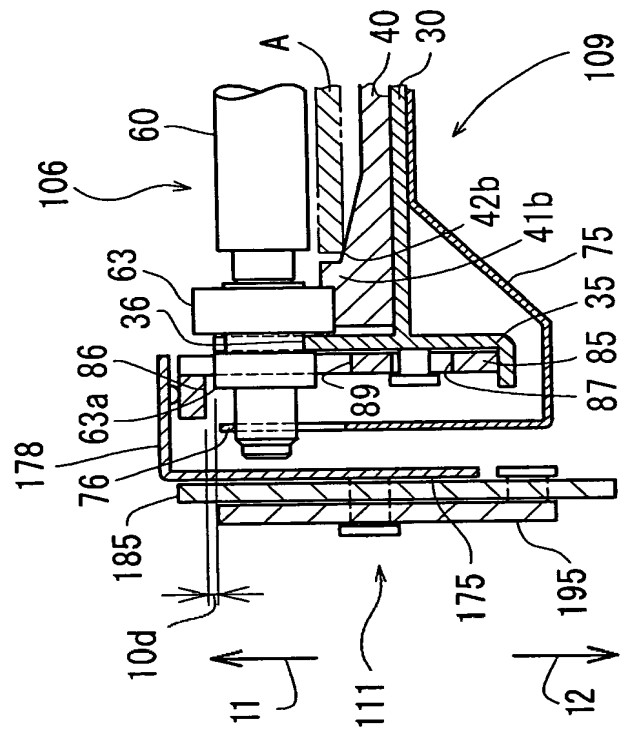


FIG. 22



(a)



(b)

FIG. 23

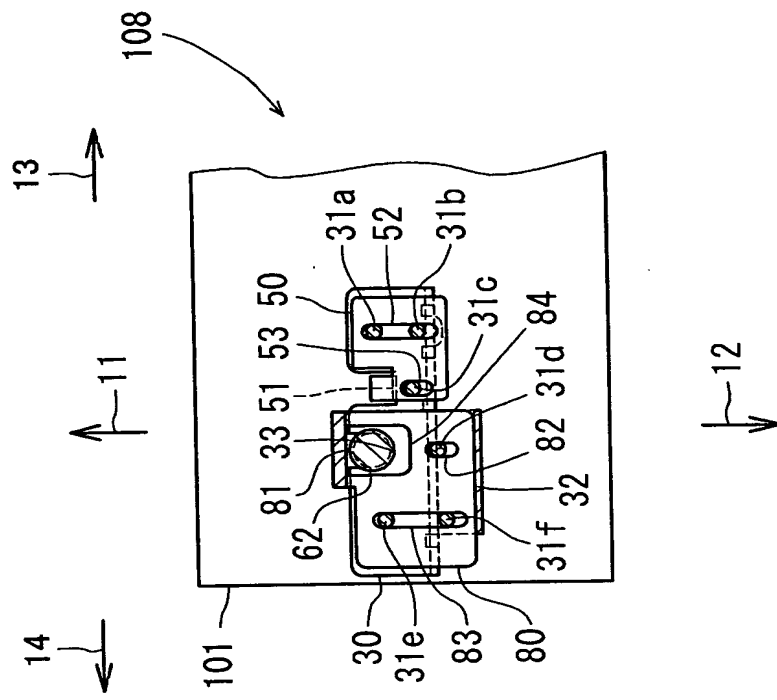


FIG. 24

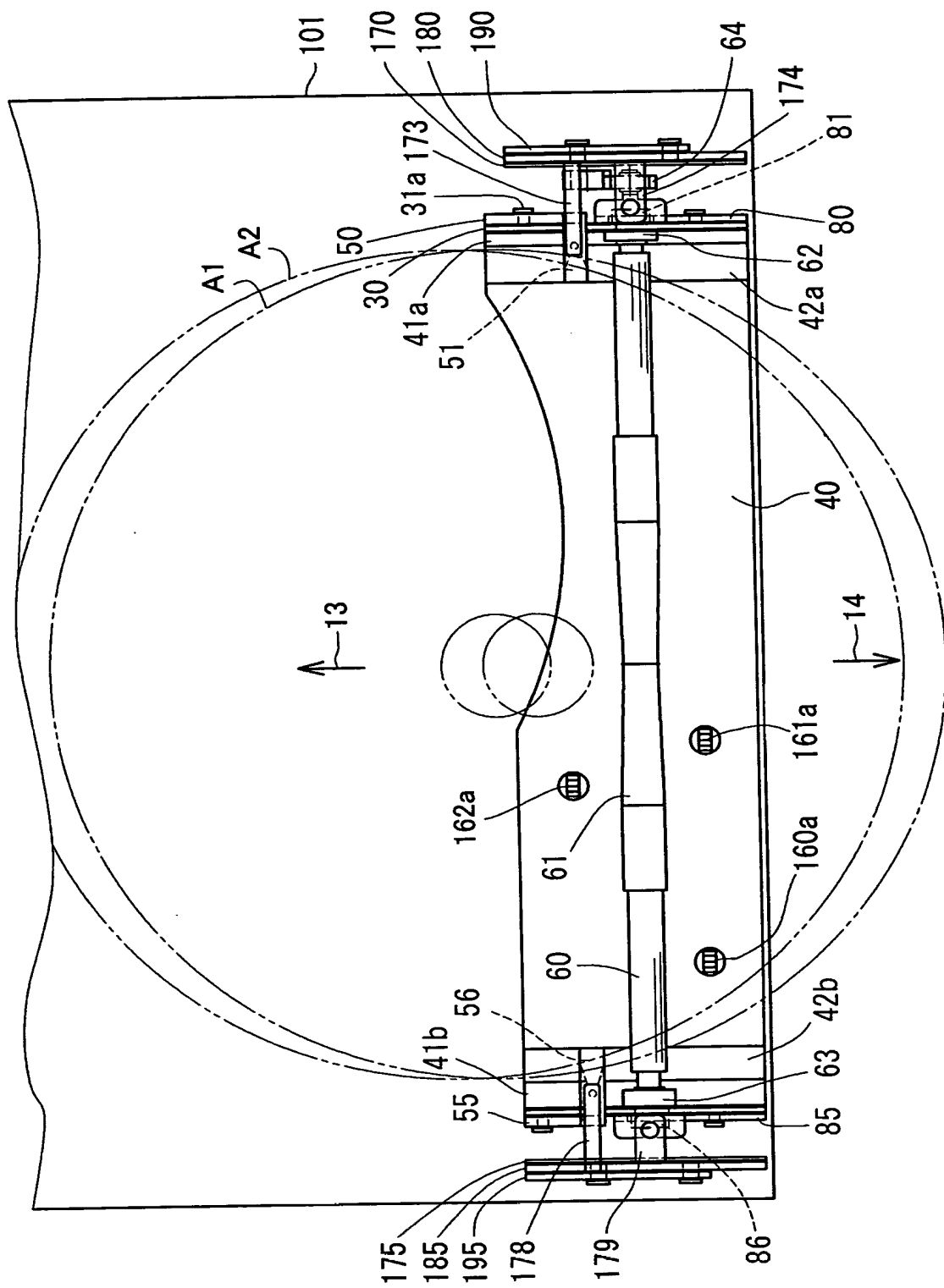


FIG. 25

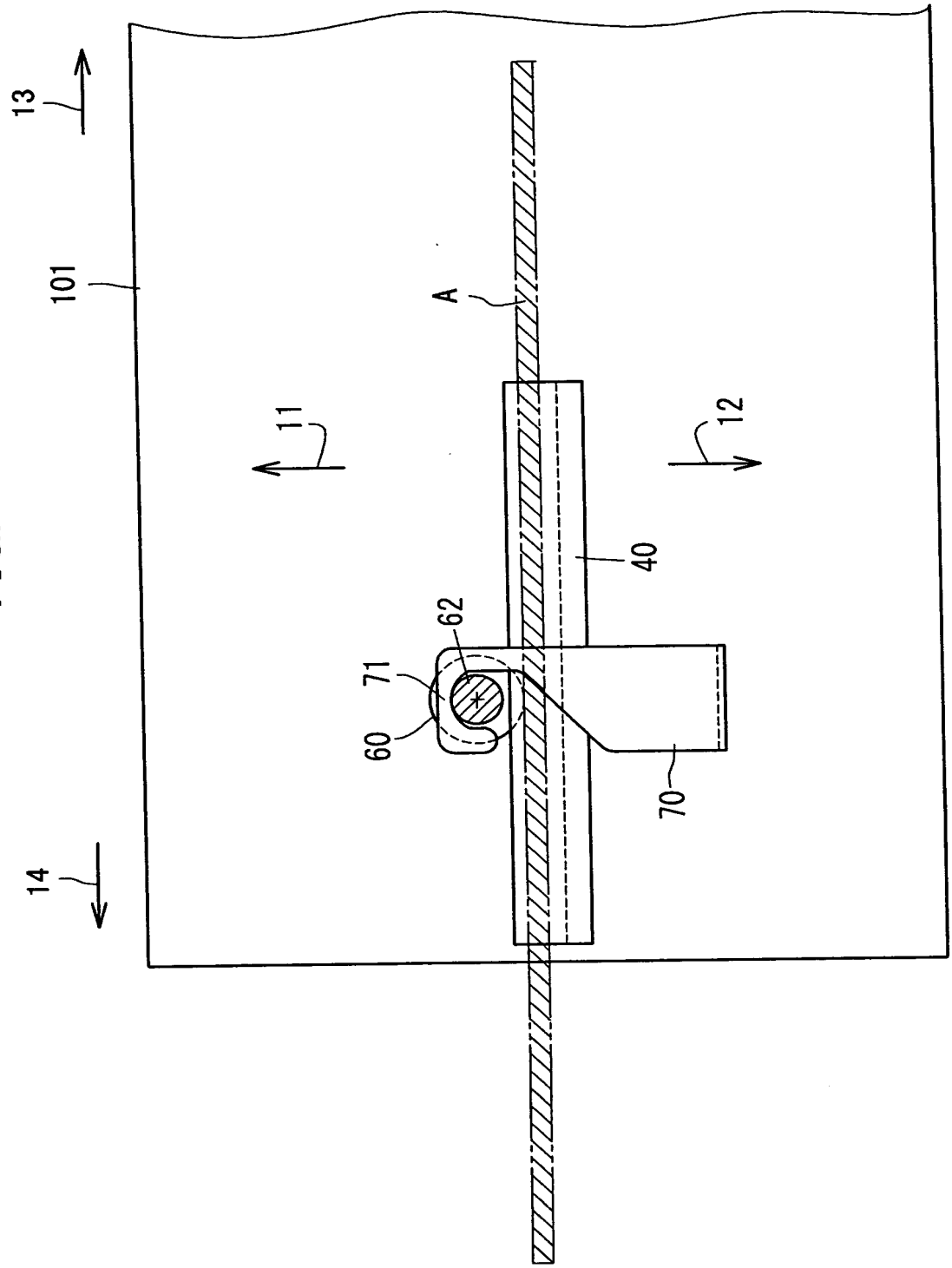


FIG. 26

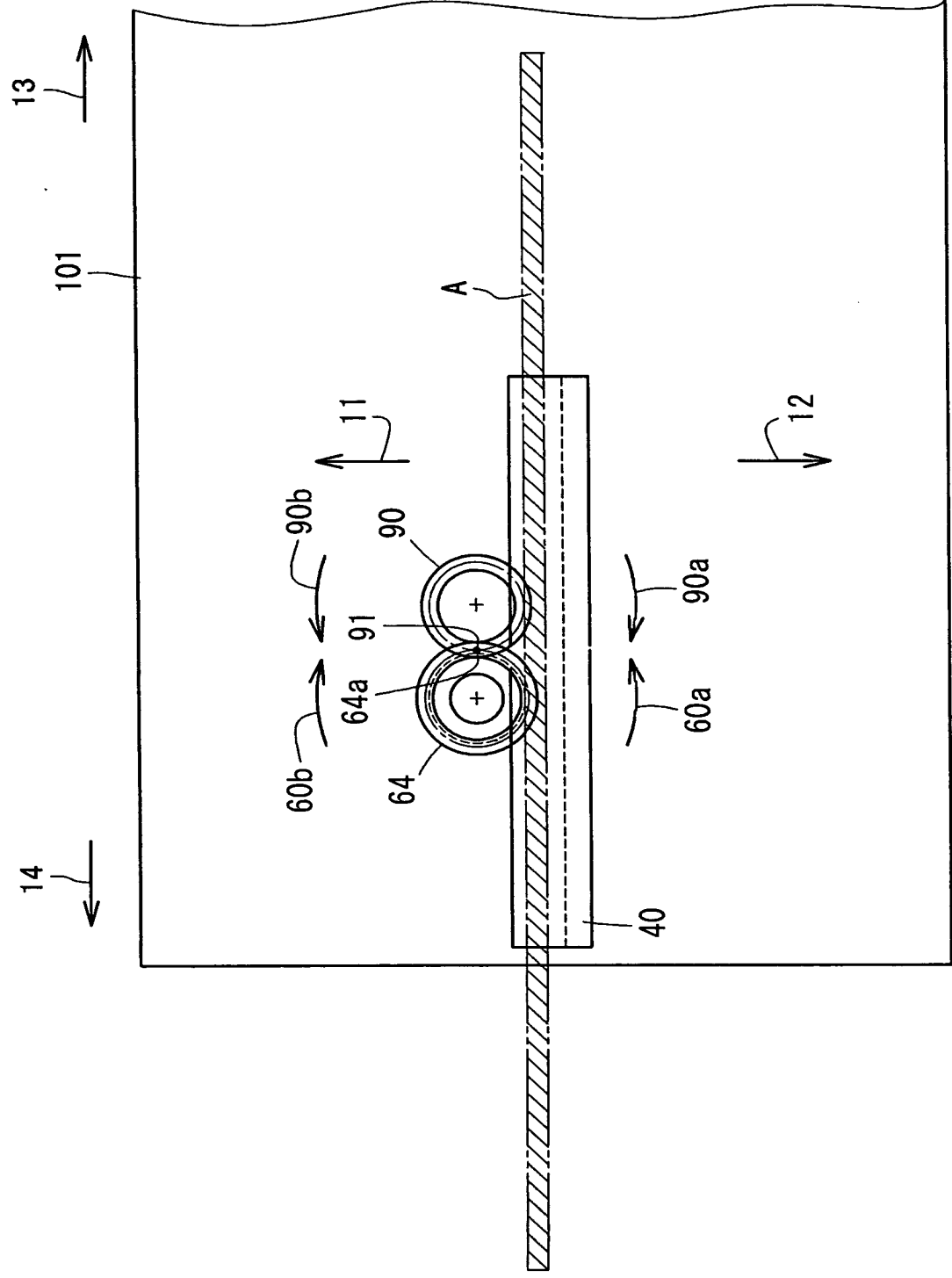


FIG. 27

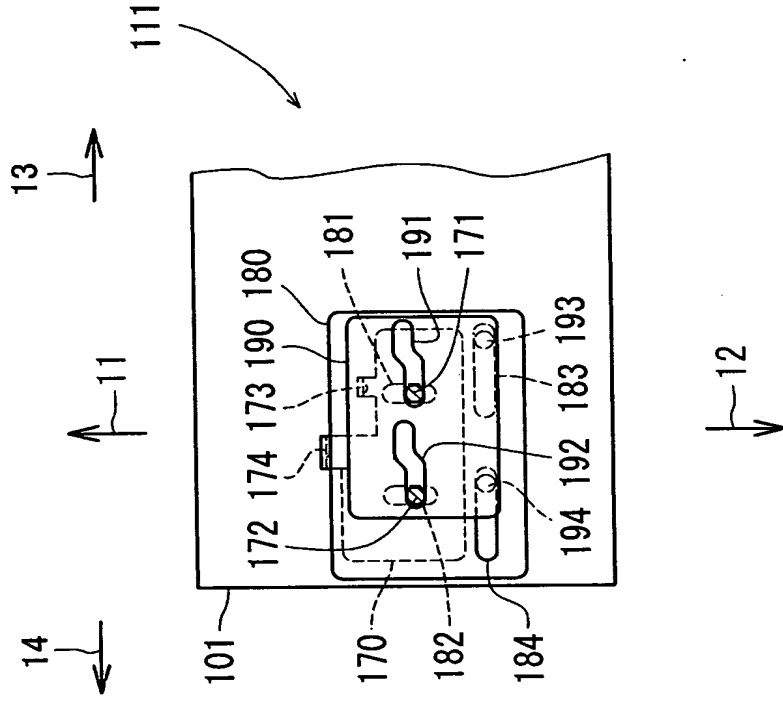


FIG. 28

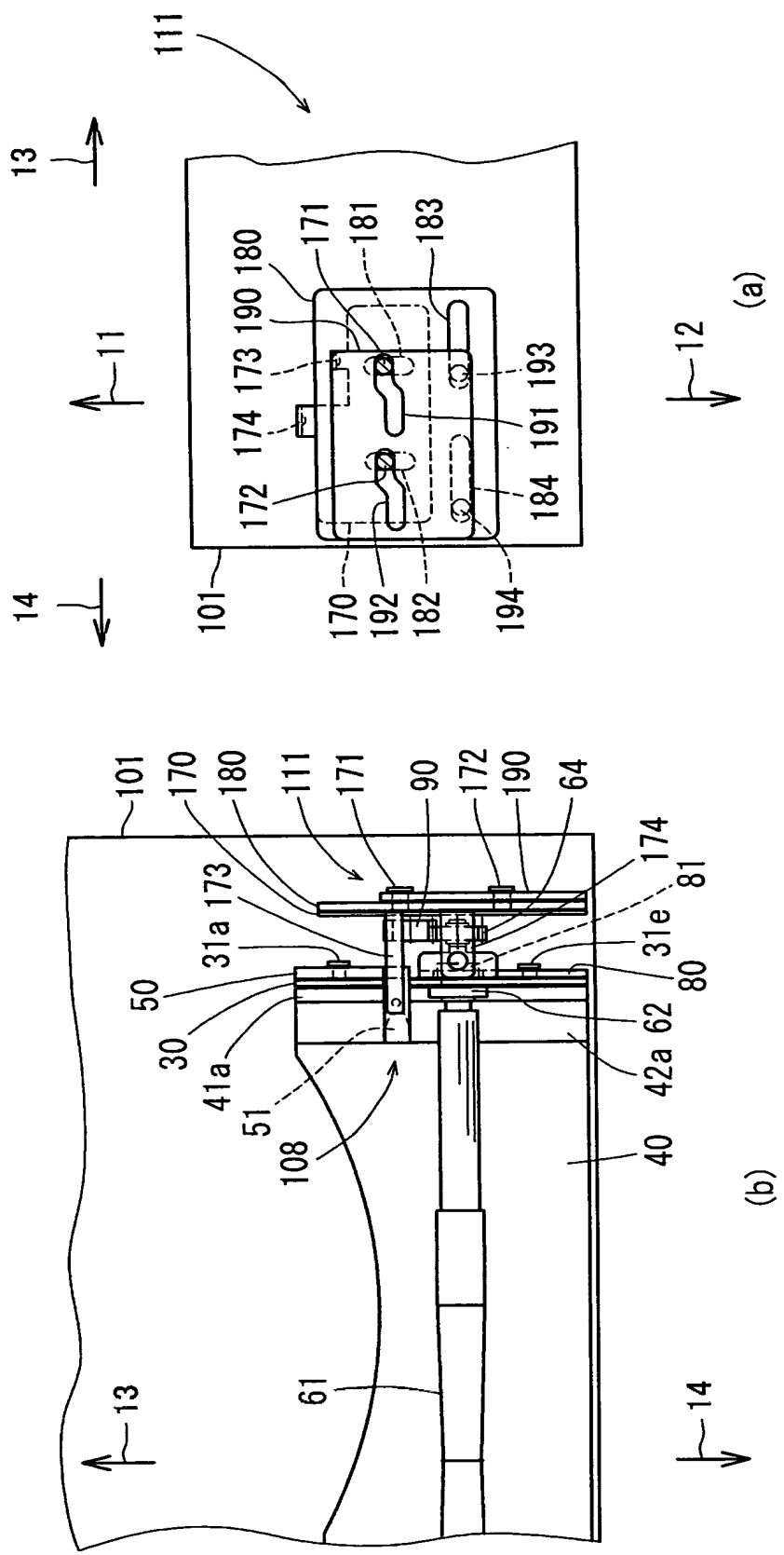


FIG. 29

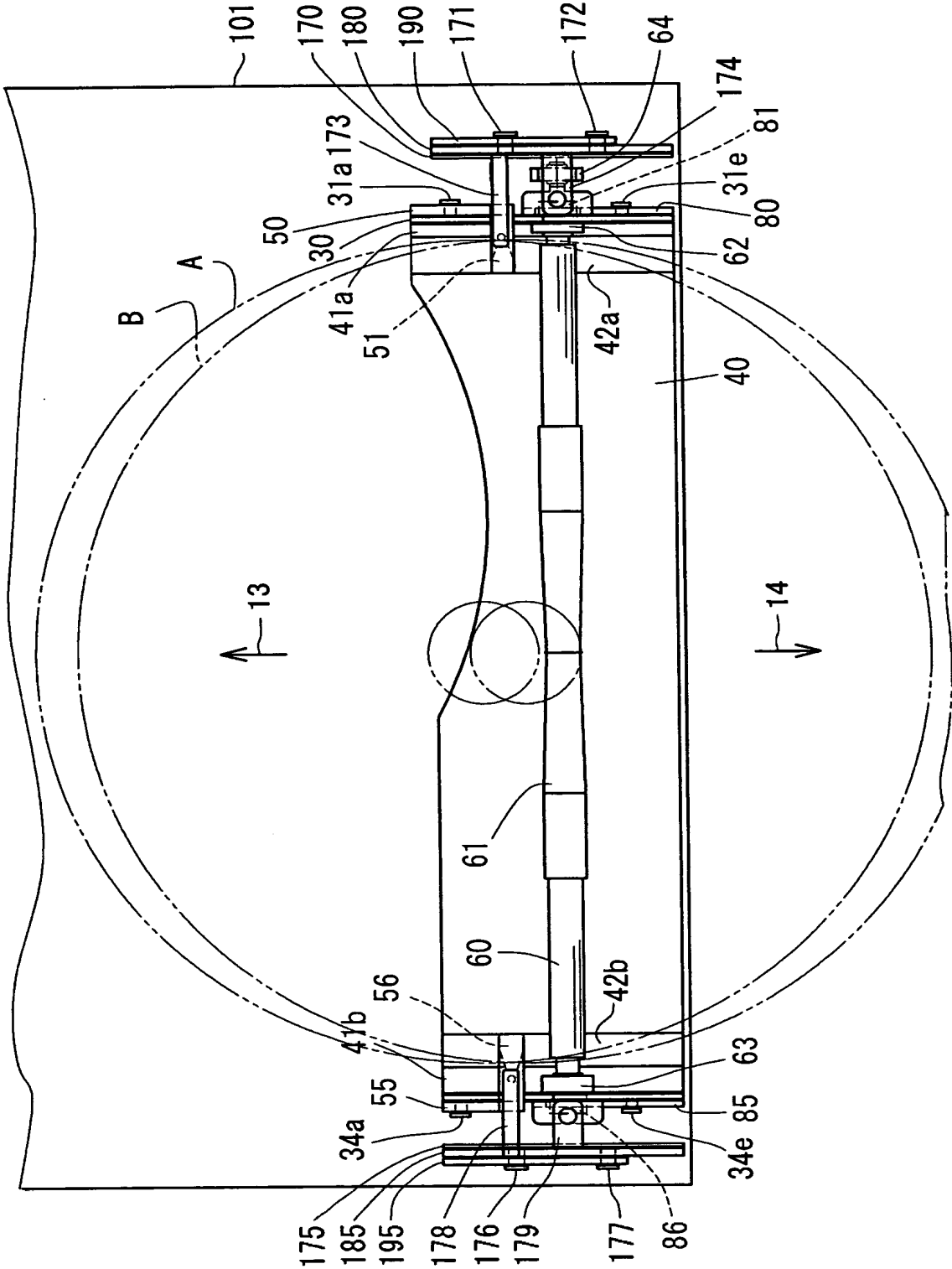
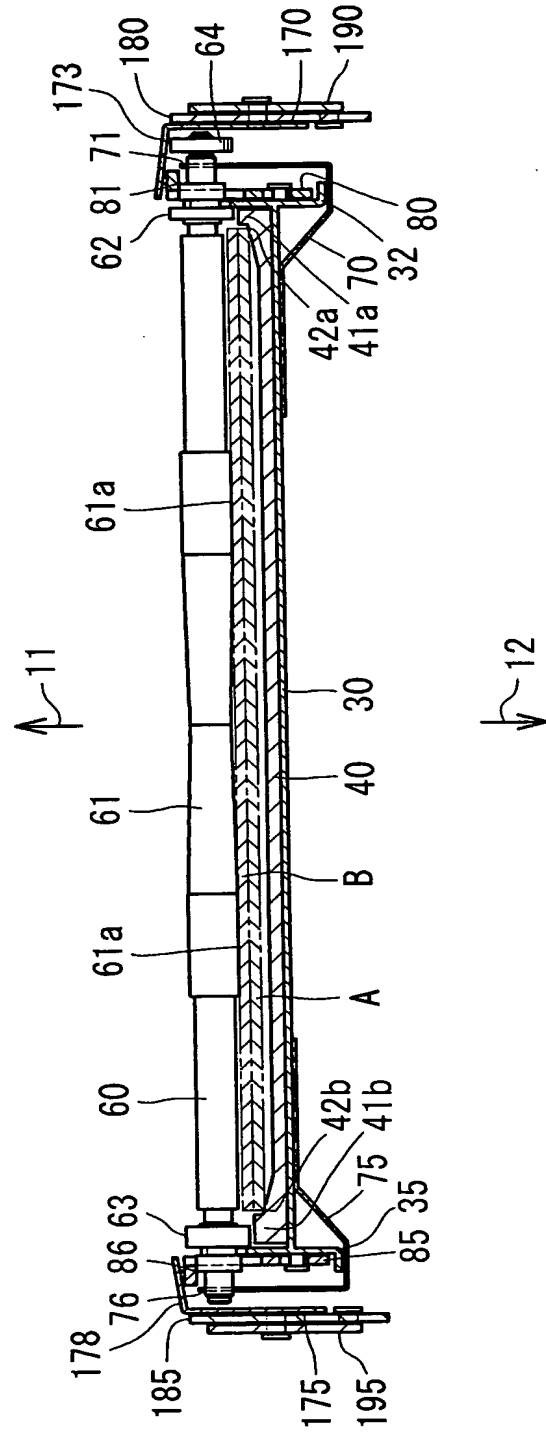


FIG. 30



(g)

FIG. 32

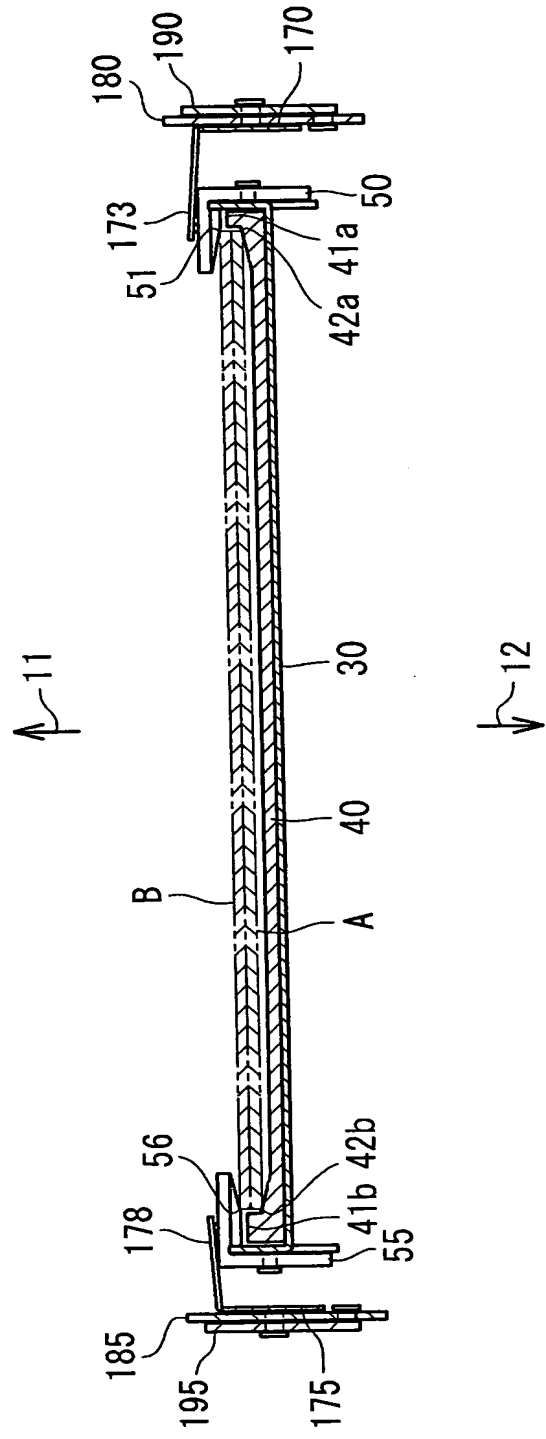


FIG. 33

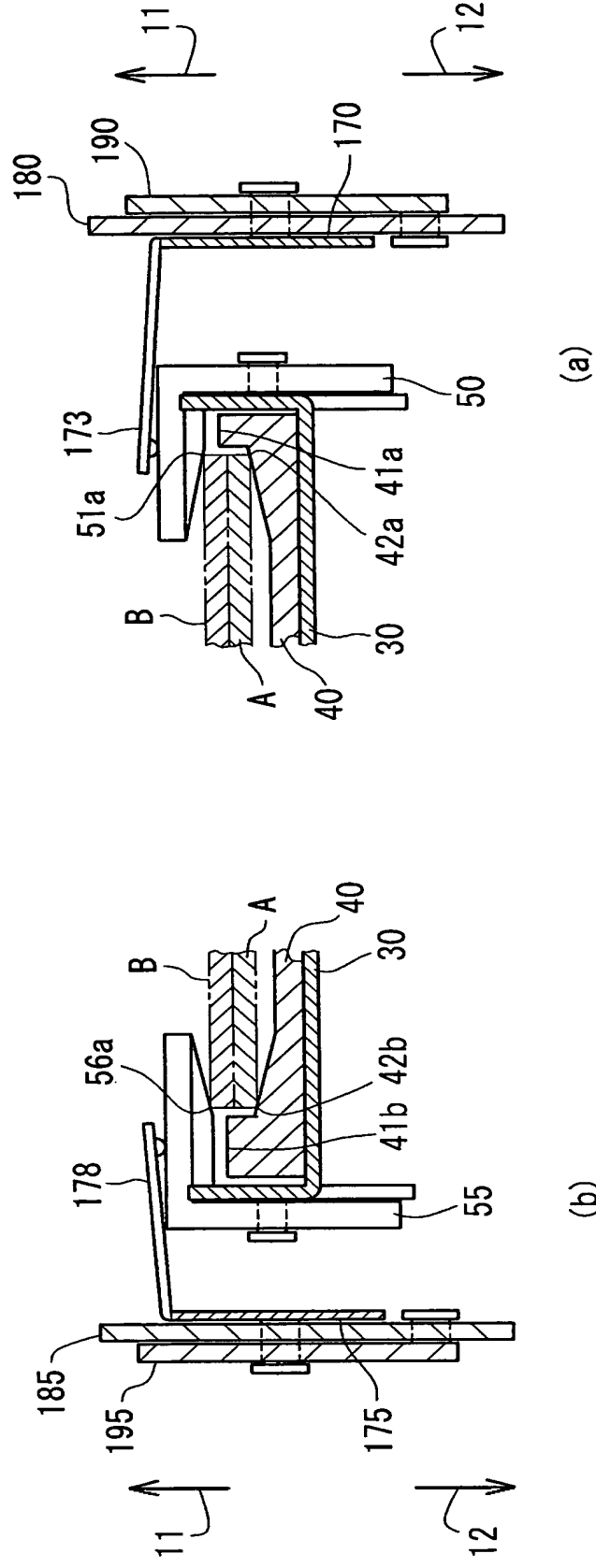


FIG. 34

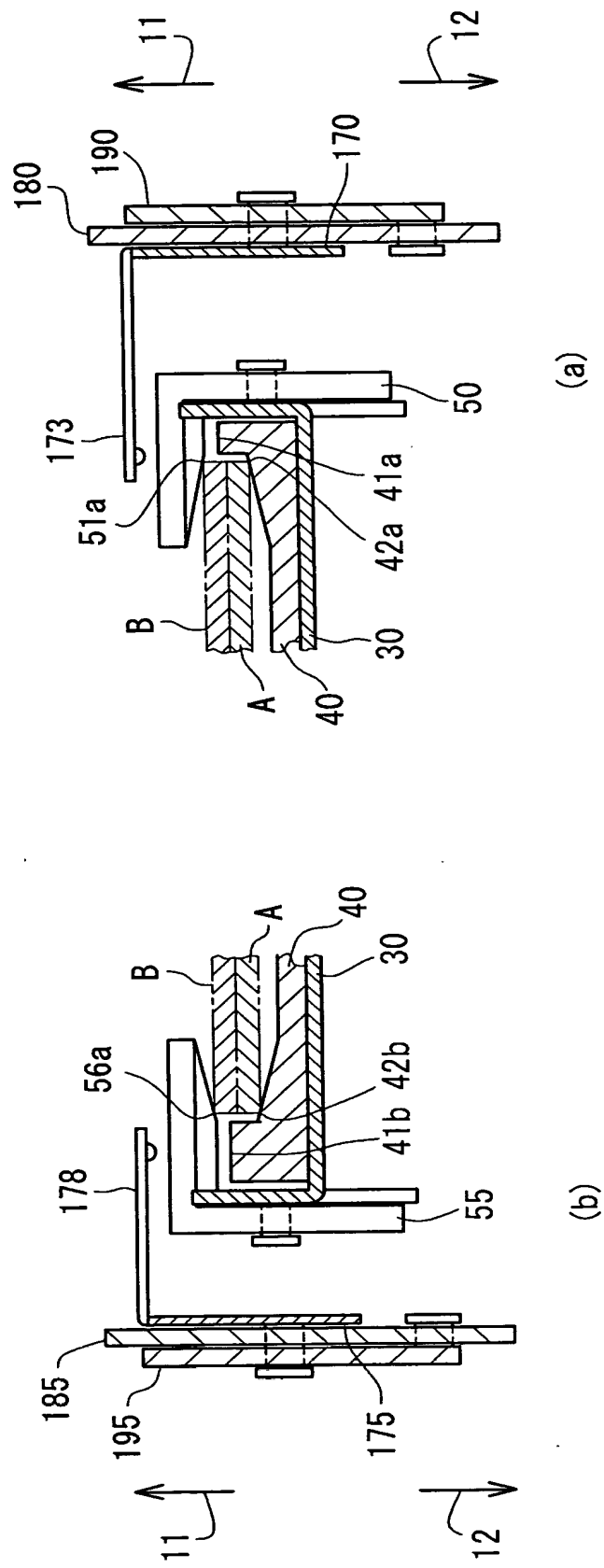
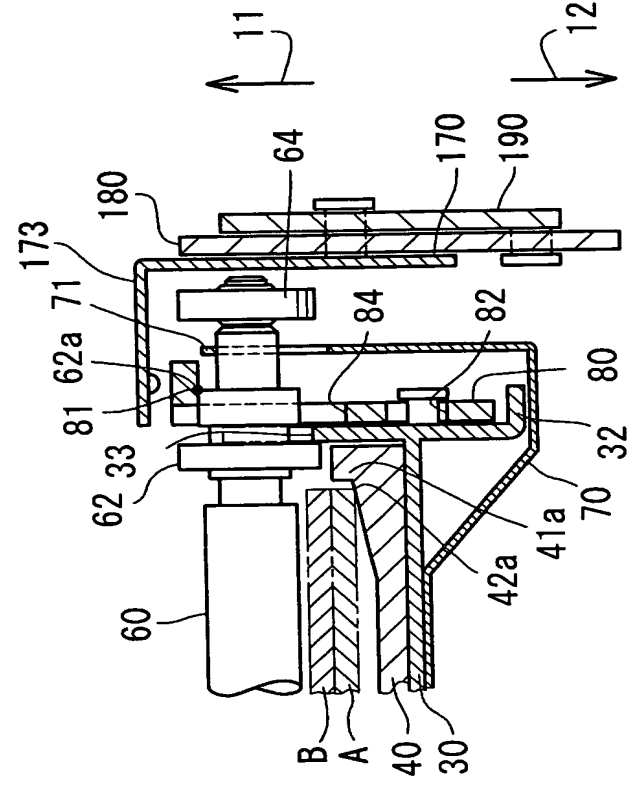
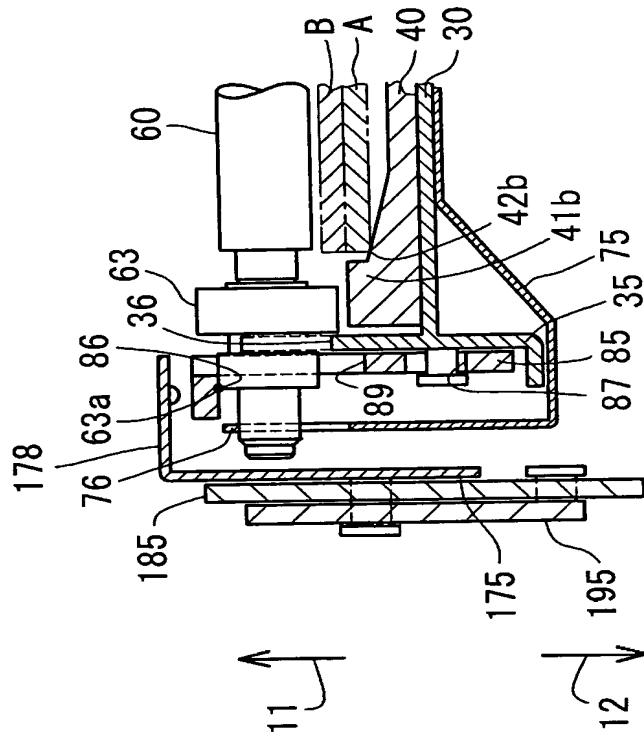


FIG. 35

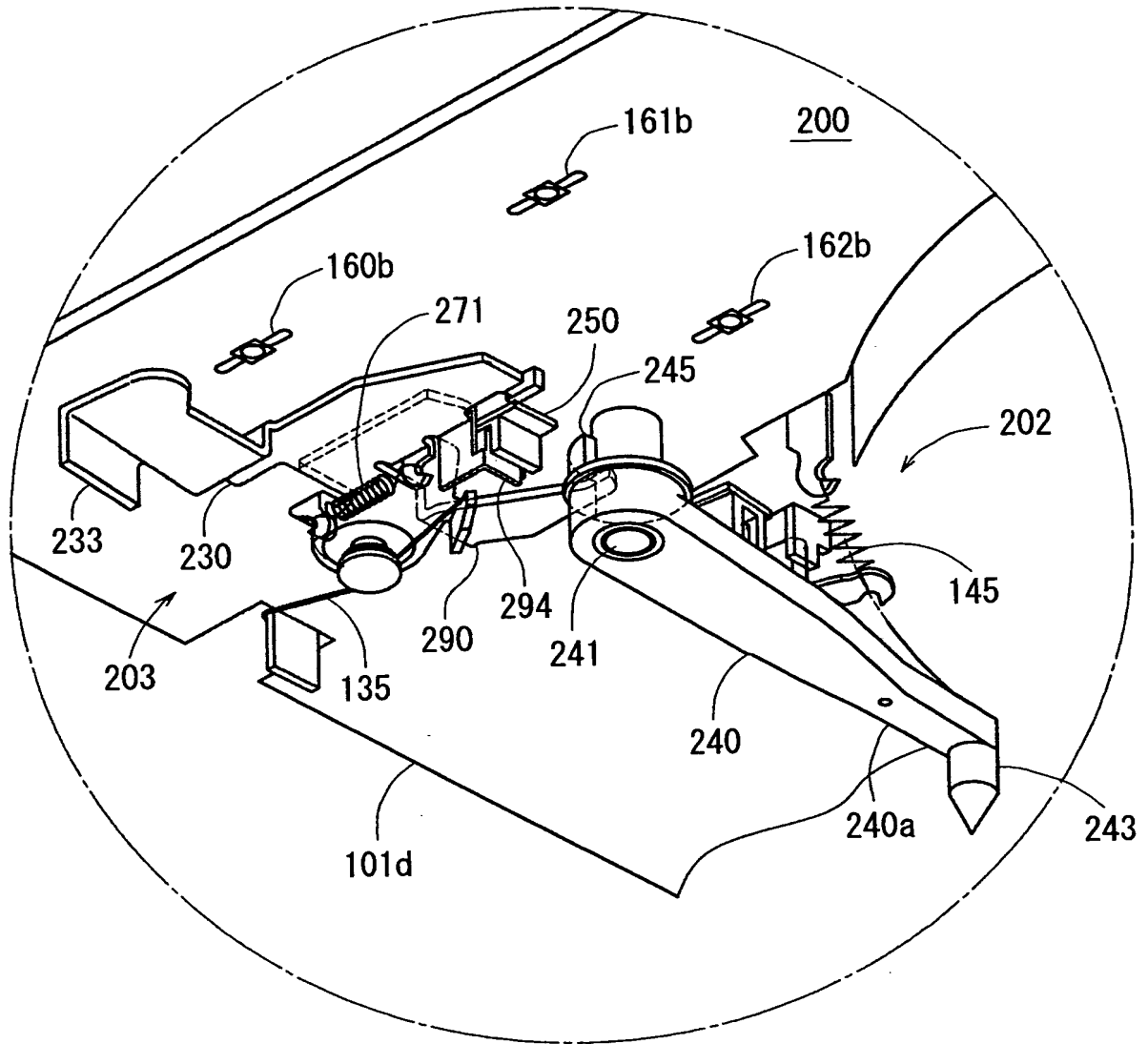


(a)



(b)

FIG. 36



Country	1950	1960	1970	1980	1990	2000	2010	2020	2030	2040	2050
Japan	7	8	10	12	14	16	18	20	22	24	26
Germany	10	11	12	13	14	15	16	17	18	19	20
France	11	12	13	14	15	16	17	18	19	20	21
Italy	12	13	14	15	16	17	18	19	20	21	22
Spain	13	14	15	16	17	18	19	20	21	22	23
Sweden	14	15	16	17	18	19	20	21	22	23	24
United Kingdom	15	16	17	18	19	20	21	22	23	24	25
United States	16	17	18	19	20	21	22	23	24	25	26
Canada	17	18	19	20	21	22	23	24	25	26	27
Belgium	18	19	20	21	22	23	24	25	26	27	28
Netherlands	19	20	21	22	23	24	25	26	27	28	29
Australia	20	21	22	23	24	25	26	27	28	29	30
South Korea	21	22	23	24	25	26	27	28	29	30	31
India	22	23	24	25	26	27	28	29	30	31	32
China	23	24	25	26	27	28	29	30	31	32	33
Indonesia	24	25	26	27	28	29	30	31	32	33	34
Brazil	25	26	27	28	29	30	31	32	33	34	35
Mexico	26	27	28	29	30	31	32	33	34	35	36
Argentina	27	28	29	30	31	32	33	34	35	36	37
Colombia	28	29	30	31	32	33	34	35	36	37	38
Venezuela	29	30	31	32	33	34	35	36	37	38	39
Peru	30	31	32	33	34	35	36	37	38	39	40
Ecuador	31	32	33	34	35	36	37	38	39	40	41
Bolivia	32	33	34	35	36	37	38	39	40	41	42
Paraguay	33	34	35	36	37	38	39	40	41	42	43
Uruguay	34	35	36	37	38	39	40	41	42	43	44
Chile	35	36	37	38	39	40	41	42	43	44	45
Costa Rica	36	37	38	39	40	41	42	43	44	45	46
Panama	37	38	39	40	41	42	43	44	45	46	47
Dominican Republic	38	39	40	41	42	43	44	45	46	47	48
Honduras	39	40	41	42	43	44	45	46	47	48	49
Guatemala	40	41	42	43	44	45	46	47	48	49	50
Nicaragua	41	42	43	44	45	46	47	48	49	50	51
El Salvador	42	43	44	45	46	47	48	49	50	51	52
Haiti	43	44	45	46	47	48	49	50	51	52	53
Jamaica	44	45	46	47	48	49	50	51	52	53	54
Trinidad and Tobago	45	46	47	48	49	50	51	52	53	54	55
Barbados	46	47	48	49							

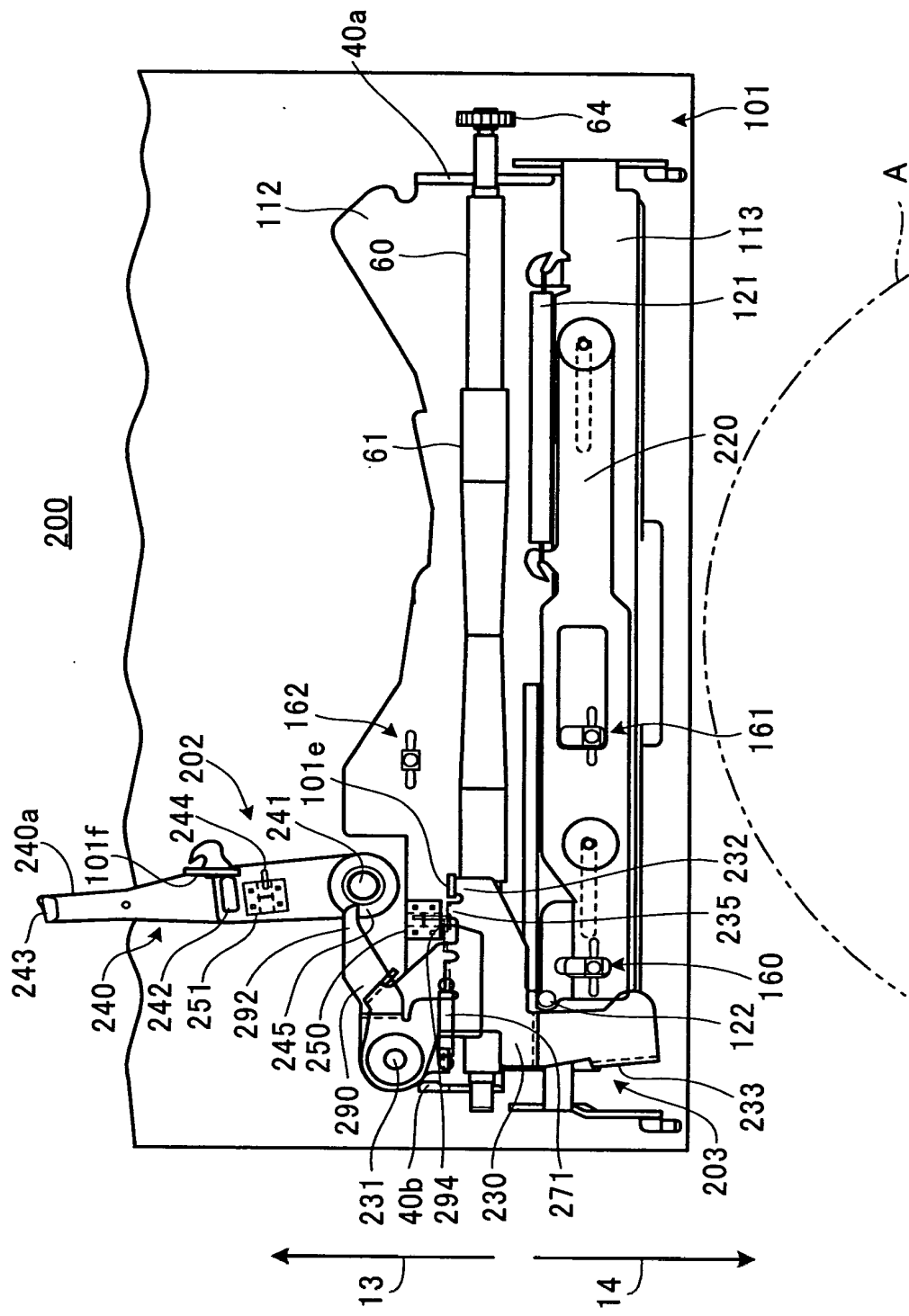


FIG. 38

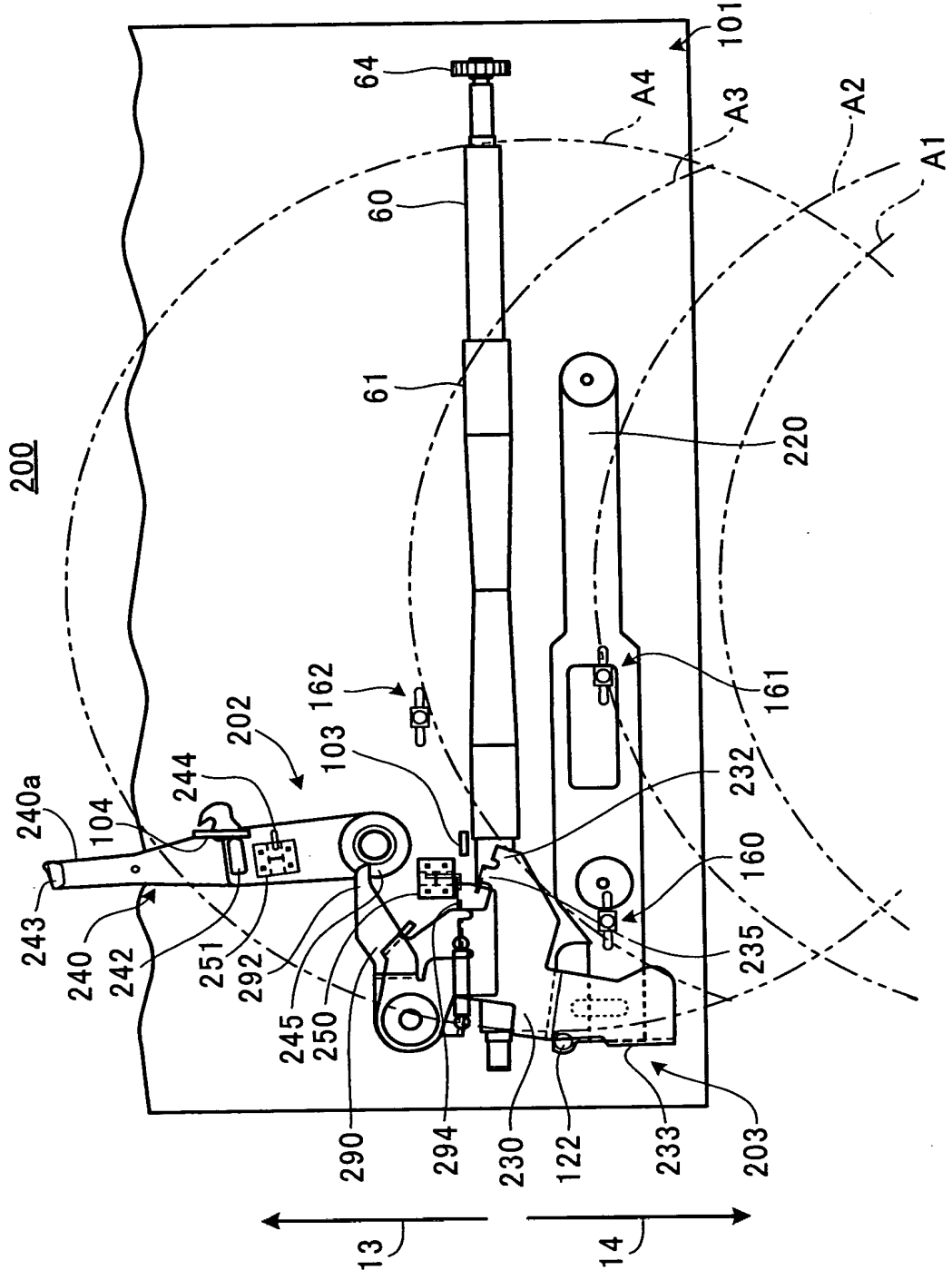
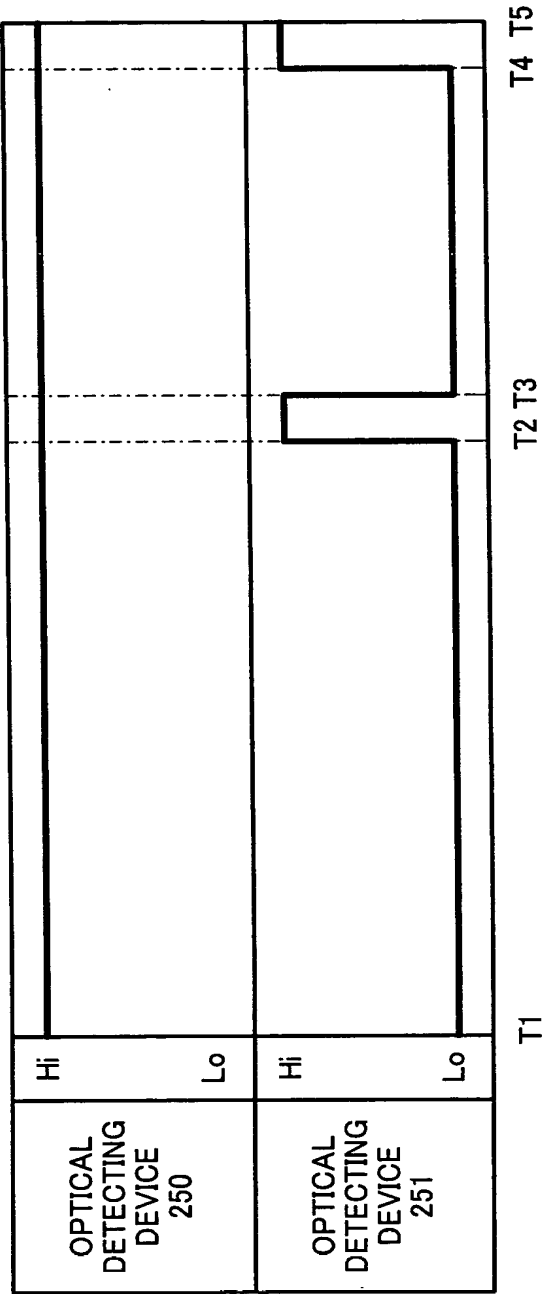


FIG. 39



200

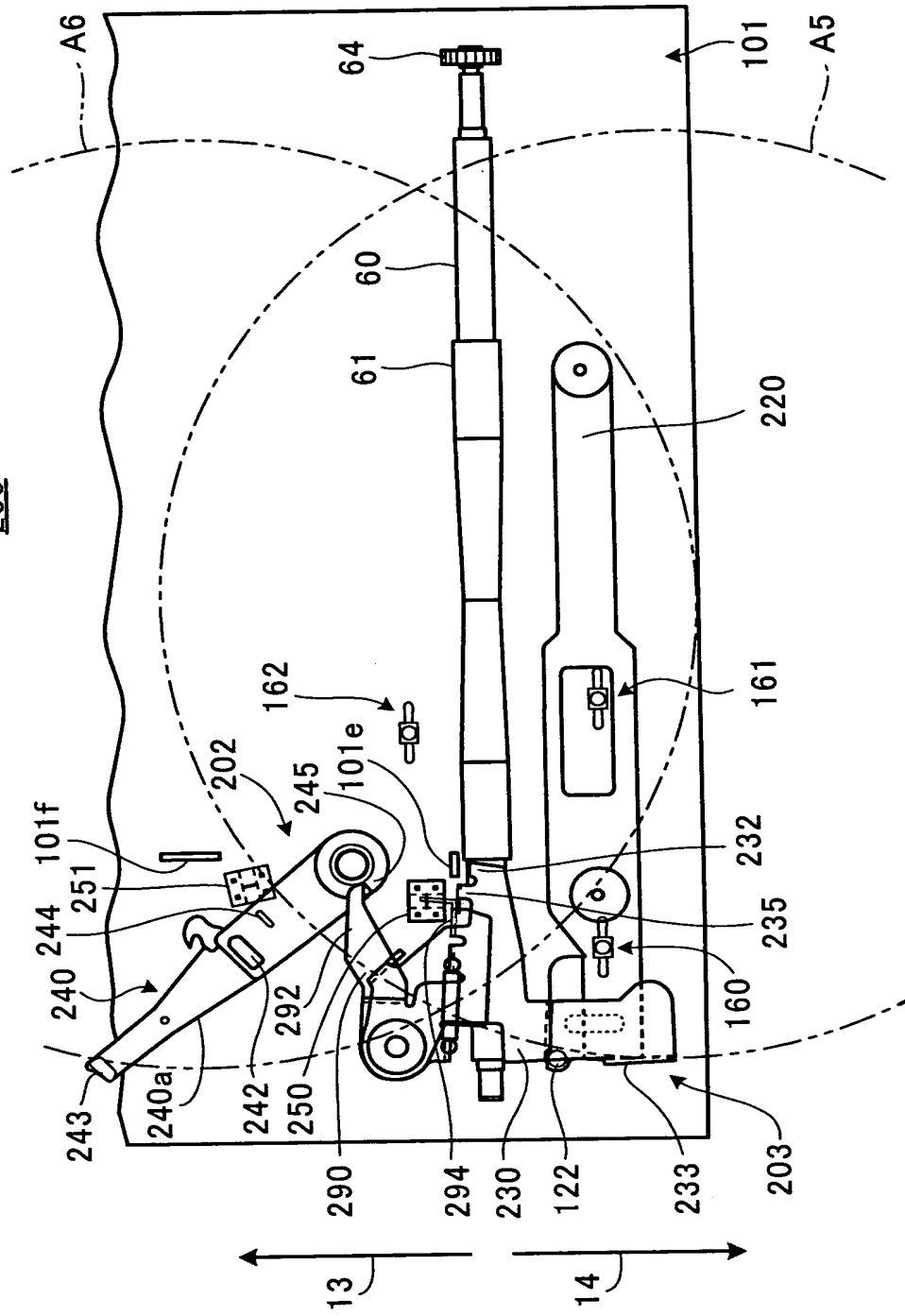


FIG. 41

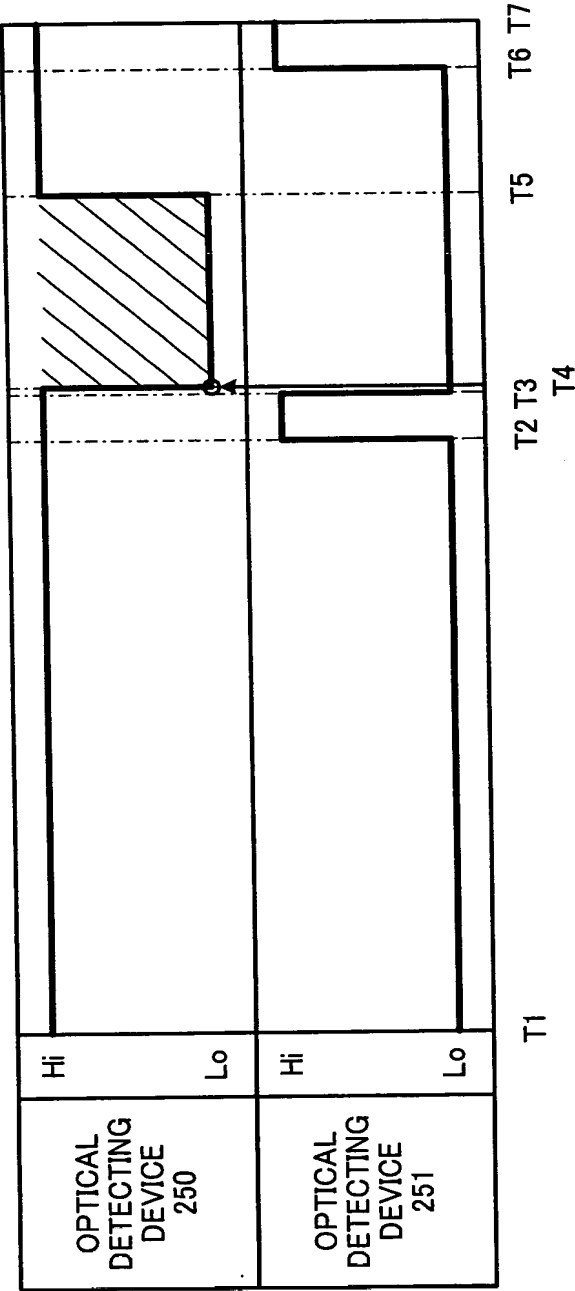


FIG. 42

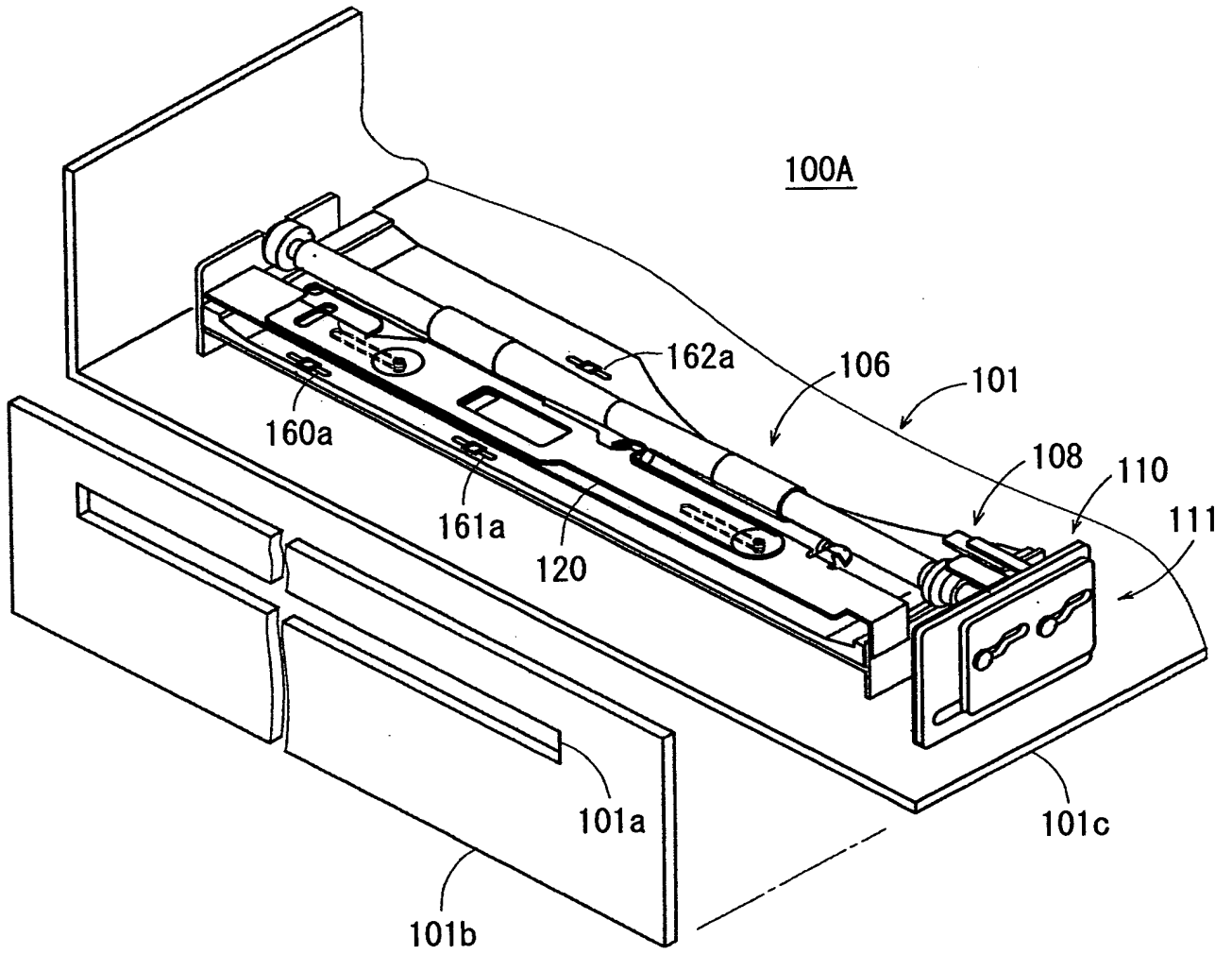


FIG. 43

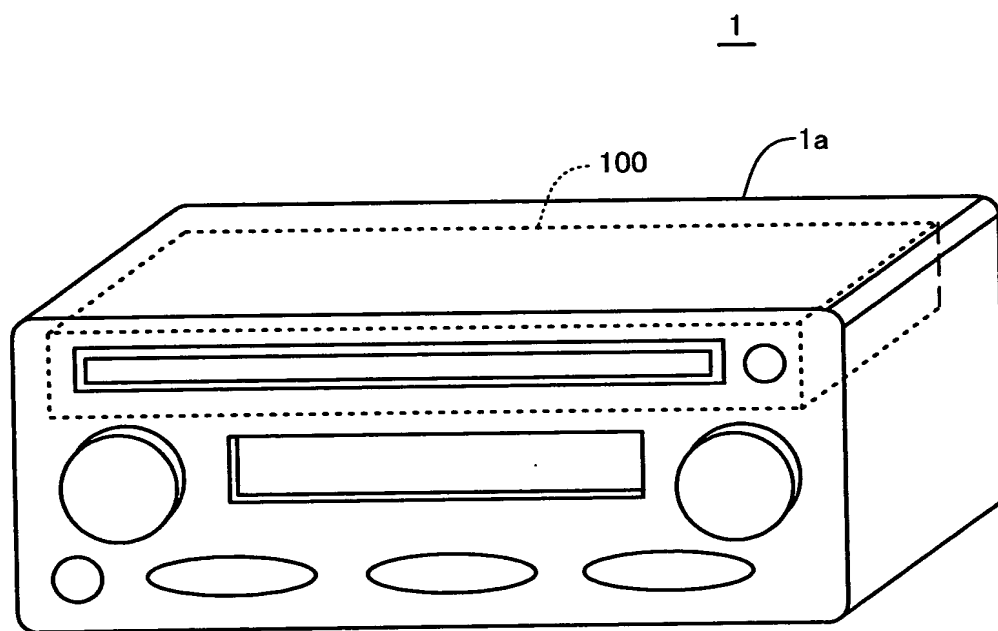


FIG. 44

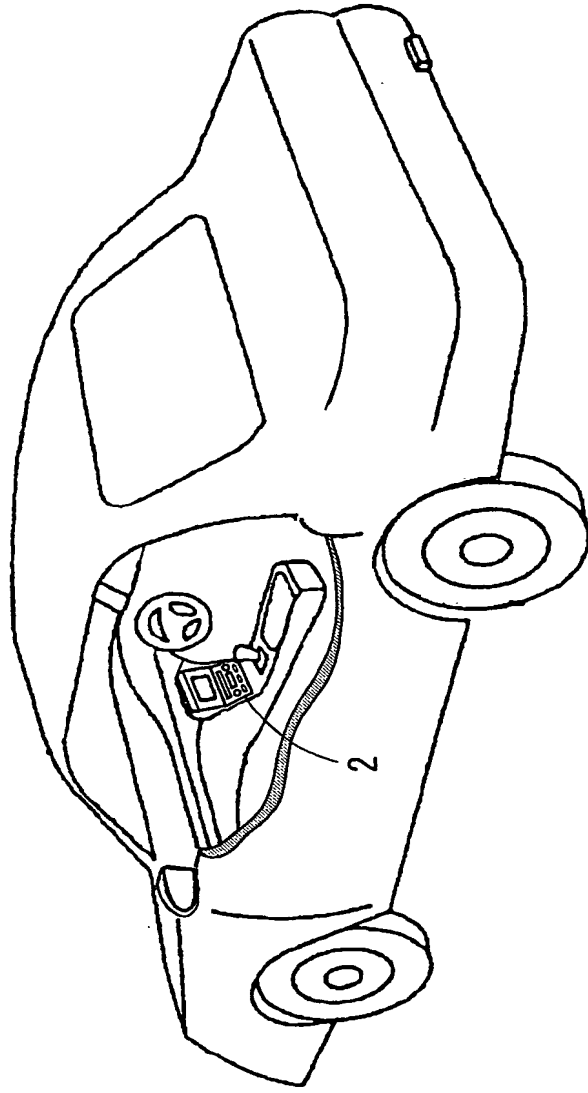


FIG. 45
PRIOR ART 300

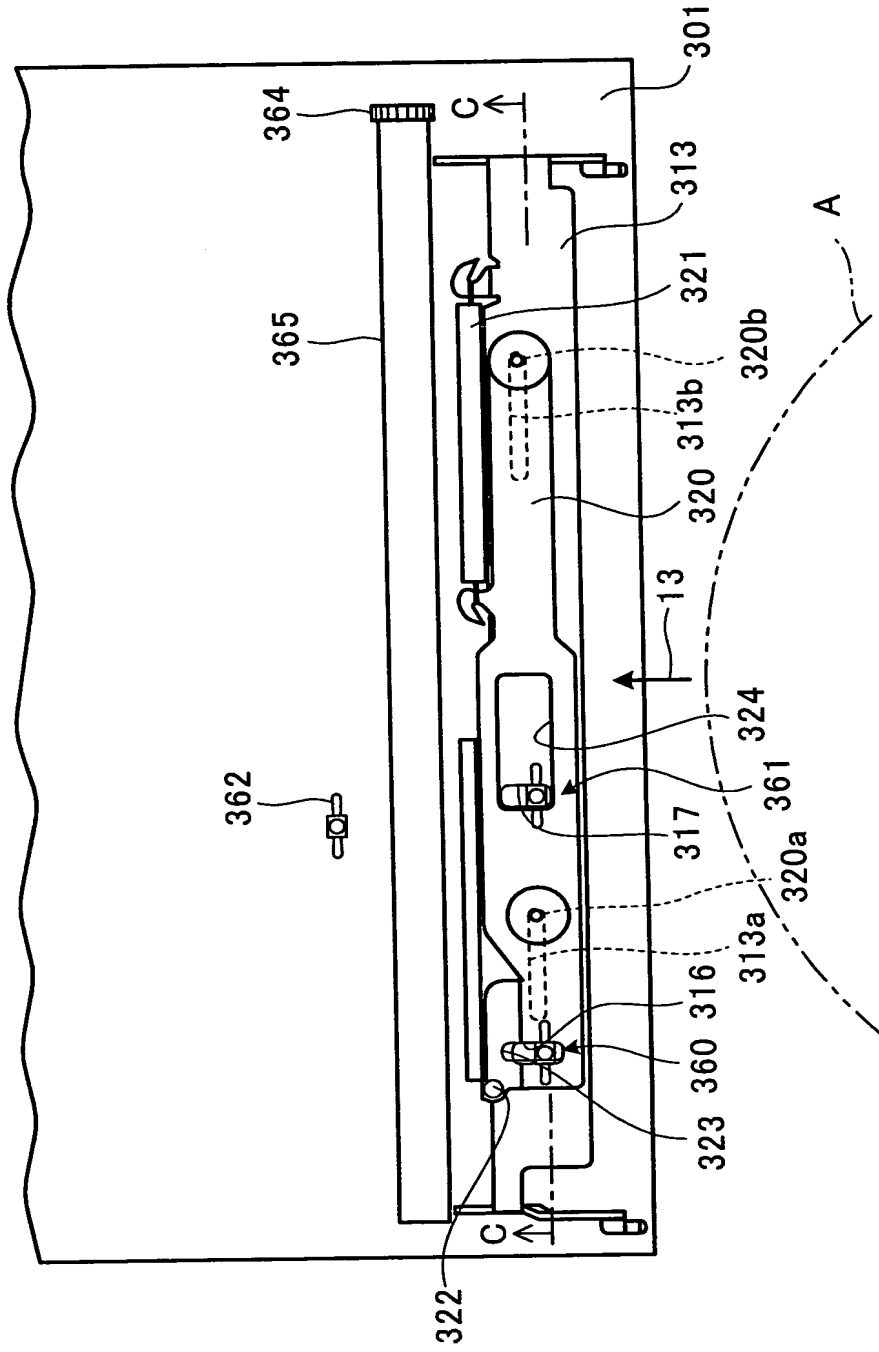


FIG. 46
PRIOR ART

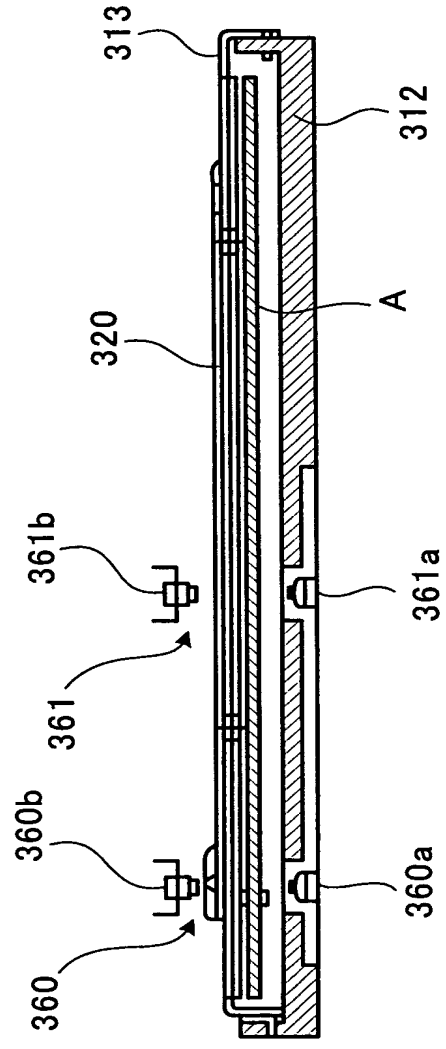


FIG. 47
PRIOR ART

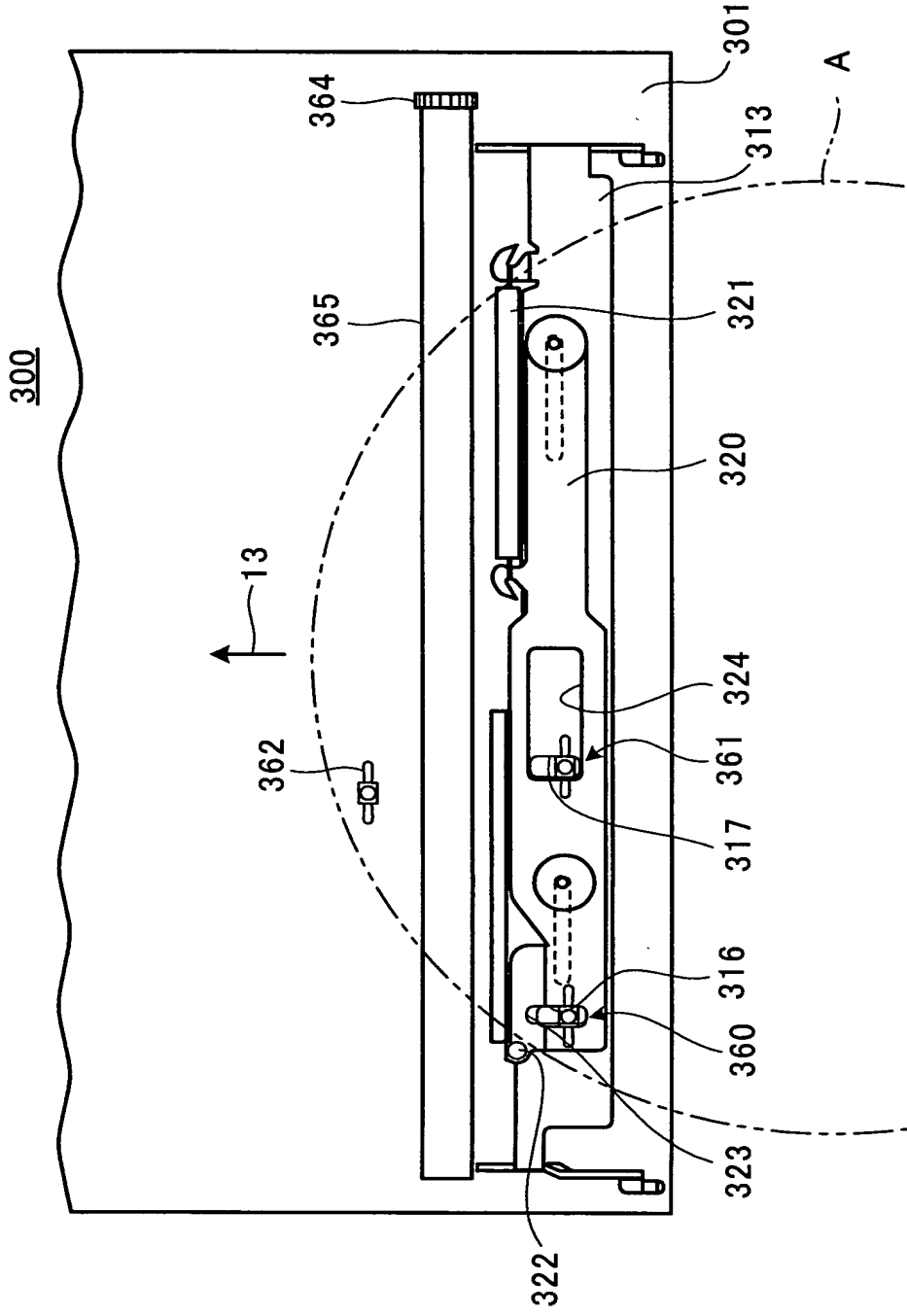


FIG. 48
PRIOR ART

